

09-21-2018 LETTING ITEM 008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                     |             |                    |              |           |
|---------------------|-------------|--------------------|--------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS            | 41           | 1         |
| FED. ROAD DIST. NO. | ILLINOIS    | CONTRACT NO. 62G81 |              |           |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

**ROUTE: VARIOUS EXPRESSWAYS AND ARTERIAL  
HIGHWAYS – DISTRICT ONE  
GUARDRAIL REPAIR  
SECTION: 2018-008-GR  
COUNTY: VARIOUS  
C-91-265-18**



**SEE LOCATION MAPS  
SHEETS 5 THRU 13**

C.U.A.N.  
CHICAGO UTILITY ALERT NETWORK  
1-312-744-7000

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62G81

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED JUNE 28 20 18  
*Anthony J. Quigley* / OAB  
REGIONAL ENGINEER

Aug 17 20 18  
*Paul P. Ch...*  
ENGINEER OF DESIGN AND ENVIRONMENT

Aug 20 20 18  
*Paul P. Ch...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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OF THE STATE OF ILLINOIS**

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**LIST OF STATE STANDARDS**

|           |  |
|-----------|--|
| 630001-12 | STEEL PLATE BEAM GUARDRAIL   |
| 630301-08 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS                           |
| 631006-08 | TRAFFIC BARRIER TERMINAL, TYPE 1B  |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2   |
| 631026-06 | TRAFFIC BARRIER TERMINAL, TYPE 5   |
| 631031-15 | TRAFFIC BARRIER TERMINAL, TYPE 6   |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE                             |
| 701011-04 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY   |
| 701101-05 | OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE                          |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, > 15' AWAY   |
| 701201-04 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH                             |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS  |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY                                    |
| 701336-06 | LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS $\geq$ 45 MPH                 |
| 701400-09 | APPROACH TO LANE CLOSURE, FREEWAY/ EXPRESSWAY  |
| 701401-11 | LANE CLOSURE, FREEWAY/ EXPRESSWAY  |
| 701411-09 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEED $\geq$ 45 MPH           |
| 701421-08 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS > 45 MPH TO 55 MPH           |
| 701426-09 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS $\geq$ 45 MPH |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTANT OR MOVING OPERATIONS $\leq$ 40 MPH             |
| 701428-01 | TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY                                 |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED  |
| 701502-08 | URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE                        |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN                  |
| 701606-10 | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN                              |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION   |
| 701801-06 | LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE                        |
| 701901-07 | TRAFFIC CONTROL DEVICES  |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS   |
| 782006-   | GUARDRAIL & BARRIER WALL REFLECTOR MOUNTING DETAILS                                  |

**GENERAL NOTES**

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 OR "CUAN" AT (312) 744-700 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

ALL WORK IS TO BE REPLACED IN KIND OR AS INDICATED ON THE CONTRACT QUANTITY SHEET.

GUARDRAIL WORK WILL INCLUDE ALIGNMENT AS NECESSARY TO RESTORE THE RAIL TO THE ORIGINAL CONDITIONS.

REMOVAL OF DAMAGED MATERIALS WILL INCLUDE DISMANTLING, LOADING, HAULING AND DISPOSAL. THE WORK SITE WILL BE LEFT IN A SAFE AND ORDERLY CONDITION.

NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.

ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR; APPROPRIATE STANDARDS ARE HEREWITH ATTACHED.

THE LIMITS OF THE DAMAGED GUARDRAIL WILL BE MARKED WITH PAINT. THE REPLACEMENT PARTS AND THE QUANTITIES INDICATED ARE WITHIN THESE LIMITS AS MARKED.

REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS WILL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.

GUARDRAIL MARKERS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.

THE CONTRACTOR SHALL TELEPHONE THE IDOT BUREAU OF TRAFFIC OPERATIONS, ELECTRICAL MAINTENANCE SECTION AT 708-524-2145 TO REQUEST THE LOCATE FOR UNDERGROUND ELECTRICAL AND/OR FIBER CABLE PRIOR TO ANY DIGGING AS PER THE CONTRACT.

REMOVAL OF EXISTING TERMINAL SECTIONS INCLUDED IN COST OF NEW TERMINAL SECTIONS

THE CONTRACTOR SHALL SUBMIT ALL DAILY LANE LANE CLOSURES VIA WWW.IDOTLCS.COM AT LEAST 24 HOURS IN ADVANCE OF ALL DAILY LANE, AND RAMP AND SHOULDER CLOSURES. THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT (847) 705-4151 OR (847) 705-4155.

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT CORY.JUCIUS@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

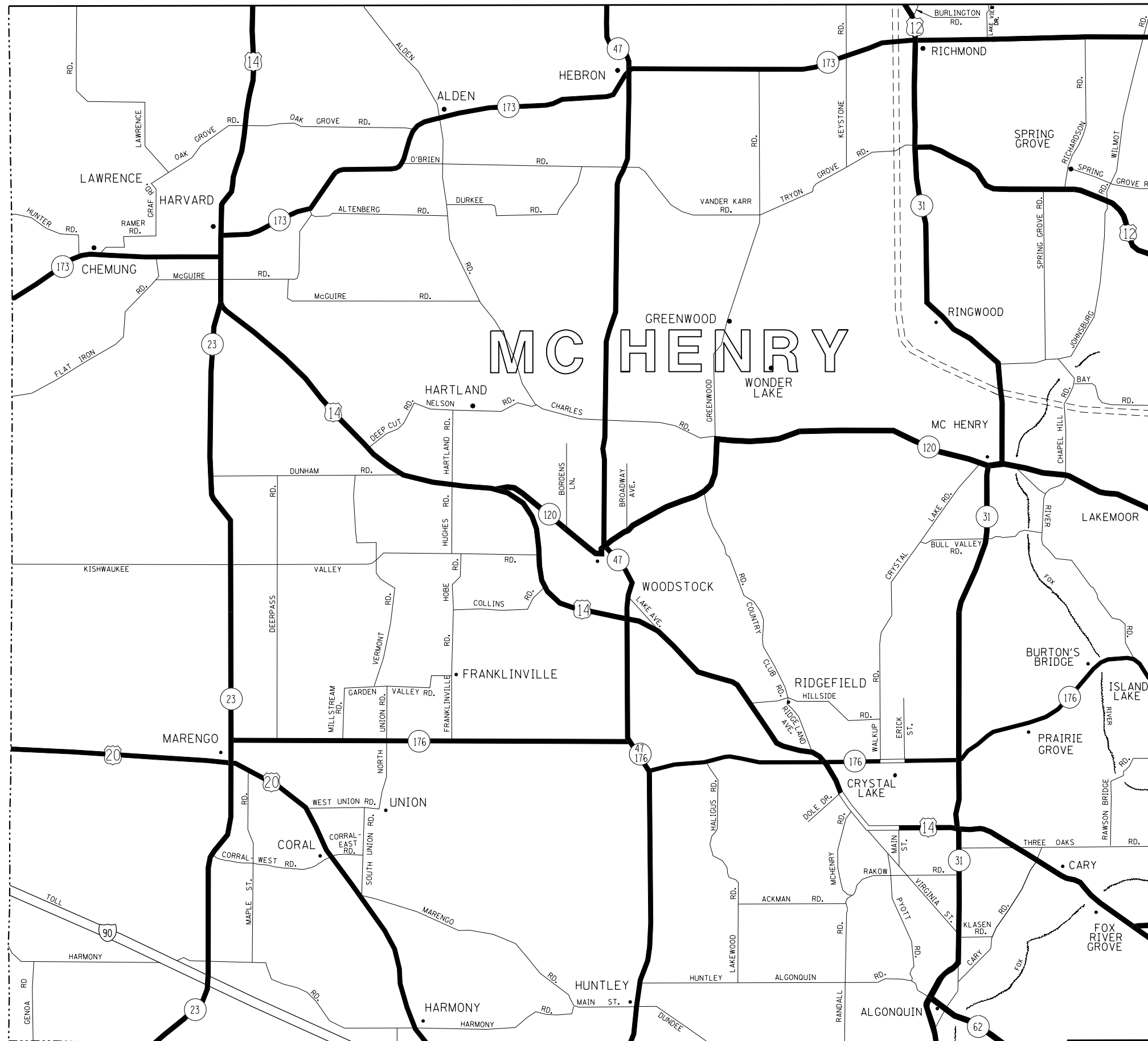
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|   | PLOT DATE = 6/28/2018        | DATE -     | REVISED - |   | SCALE: SHEET NO. OF SHEETS STA. TO STA.                   |  |  |  | CONTRACT NO. 62G81                            |             |         |              |           |
|   |                              |            |           |   |   |  |  |  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |         |              |           |

| SUMMARY OF QUANTITIES |  |      | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE 0021 |                |  |  |  |
|-----------------------|--|------|------------------------|-----------------------------|----------------|--|--|--|
| CODE NO               | ITEM   | UNIT |                        | 100% STATE 0021             | 100% MCHD 0021 |  |  |  |
| 63000001              | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS   | FOOT | 386                    | 309                         | 77             |  |  |  |
| 63100041              | TRAFFIC BARRIER TERMINAL, TYPE 1B                  | EACH | 3                      | 2                           | 1              |  |  |  |
| 63100045              | TRAFFIC BARRIER TERMINAL, TYPE 2                   | EACH | 11                     | 9                           | 2              |  |  |  |
| 63100070              | TRAFFIC BARRIER TERMINAL, TYPE 5                   | EACH | 3                      | 2                           | 1              |  |  |  |
| 63100085              | TRAFFIC BARRIER TERMINAL, TYPE 6                   | EACH | 6                      | 5                           | 1              |  |  |  |
| 63100167              | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 62                     | 50                          | 12             |  |  |  |
| 63100169              | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED  | EACH | 10                     | 8                           | 2              |  |  |  |
| 78200005              | GUARDRAIL REFLECTORS, TYPE A                       | EACH | 506                    | 405                         | 101            |  |  |  |
| 72501000              | TERMINAL MARKER - DIRECT APPLIED                   | EACH | 23                     | 18                          | 5              |  |  |  |
| X0321563              | REPAIR SPECIAL TRAFFIC BARRIER TERMINAL TYPE 1     | EACH | 322                    | 258                         | 64             |  |  |  |
| X2300001              | MISSING OR FAILED ANCHOR CABLES                    | EACH | 16                     | 13                          | 3              |  |  |  |
| X2300002              | MISSING OR FAILED LAG BOLTS                        | EACH | 16                     | 13                          | 3              |  |  |  |
| X4402302              | CURB REMOVAL (PARTIAL)                             | FOOT | 149                    | 119                         | 30             |  |  |  |
| X6300210              | GUARDRAIL BLOCKS                                   | EACH | 1631                   | 1305                        | 326            |  |  |  |
| X6300215              | RAIL ELEMENT PLATES                                | EACH | 2078                   | 1662                        | 416            |  |  |  |
| X6300217              | RAIL ELEMENT PLATES (RADIUS)                       | EACH | 111                    | 89                          | 22             |  |  |  |

| SUMMARY OF QUANTITIES |  |      | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE 0021 |                |  |  |  |
|-----------------------|--|------|------------------------|-----------------------------|----------------|--|--|--|
| CODE NO               | ITEM   | UNIT |                        | 100% STATE 0021             | 100% MCHD 0021 |  |  |  |
| X6300222              | CONNECTING END SECTION                         | EACH | 3                      | 2                           | 1              |  |  |  |
| X6300224              | RETURN END SECTION                             | EACH | 3                      | 2                           | 1              |  |  |  |
| X6300225              | SINGLE END SECTION                             | EACH | 17                     | 14                          | 3              |  |  |  |
| X6300230              | STEEL POSTS                                    | EACH | 1262                   | 1010                        | 252            |  |  |  |
| X6300310              | REMOVE AND REPLACE GUARDRAIL CHANNEL           | EACH | 66                     | 53                          | 13             |  |  |  |
| X6300610              | THRIE BEAM GUARDRAIL ELEMENT PLATES            | EACH | 7                      | 6                           | 1              |  |  |  |
| X6300620              | THRIE-BEAM MODIFIED BLOCKS                     | EACH | 7                      | 6                           | 1              |  |  |  |
| X6300630              | THRIE-BEAM POSTS                               | EACH | 7                      | 6                           | 1              |  |  |  |
| X6300640              | THRIE BEAM RADIUS ELEMENT PLATES               | EACH | 4                      | 3                           | 1              |  |  |  |
| X6310163              | TRAFFIC BARRIER TERMINAL, TYPE 1, NOSE         | EACH | 10                     | 8                           | 2              |  |  |  |
| X6310177              | TRAFFIC BARRIER TERMINAL, TYPE 3 (SPECIAL)     | EACH | 4                      | 3                           | 1              |  |  |  |
| X6310203              | TRAFFIC BARRIER TERMINAL, TYPE 3 SPECIAL, NOSE | EACH | 3                      | 2                           | 1              |  |  |  |
| X6330800              | GUARDRAIL POST VERTICAL ADJUSTMENT             | EACH | 23                     | 18                          | 5              |  |  |  |
| X6331105              | STEEL POSTS, MODIFIED                          | EACH | 29                     | 23                          | 6              |  |  |  |
| X6331110              | STEEL POSTS, SPECIAL                           | EACH | 18                     | 14                          | 4              |  |  |  |
| Z0007124              | STEEL RAILING (SPECIAL)                        | FOOT | 55                     | 44                          | 11             |  |  |  |

|  |                         |            |           |   |                              |                    |             |           |              |           |
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| PLOT SCALE = 100,0000' / 1in.  |                         | DATE -     | REVISED - |   |                              | CONTRACT NO. 62GB1 |             |           |              |           |
| PLOT DATE = 6/28/2018  |                         |            |           |   |                              | SCALE:             | SHEET NO.   | OF SHEETS | STA.         | TO STA.   |





**DISTRICT NO. 1**

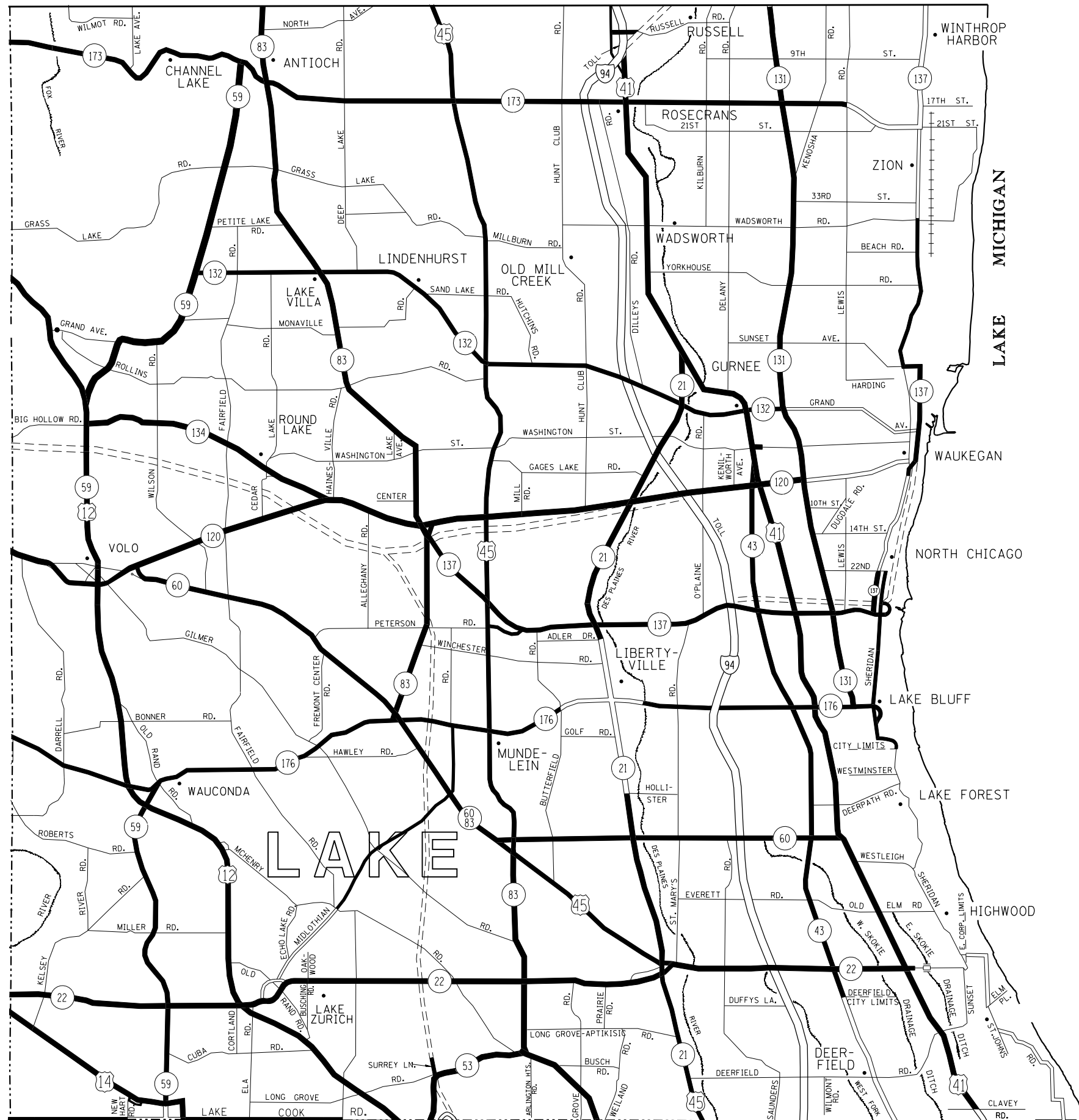
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

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|   | PLOT DATE = 6/28/2018        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                                      |           |           |              |
|--------------------------------------|-----------|-----------|--------------|
| <b>GUARDRAIL REPAIR LOCATION MAP</b> |           |           |              |
| <b>McHENRY COUNTY</b>                |           |           |              |
| SCALE:                               | SHEET NO. | OF SHEETS | STA. TO STA. |

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|---------------------|-------------|---------------------------|--------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS                   | 41                 | 5         |
|                     |             |                           | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |                    |           |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION**
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- VARIOUS AGENCIES HIGHWAYS**

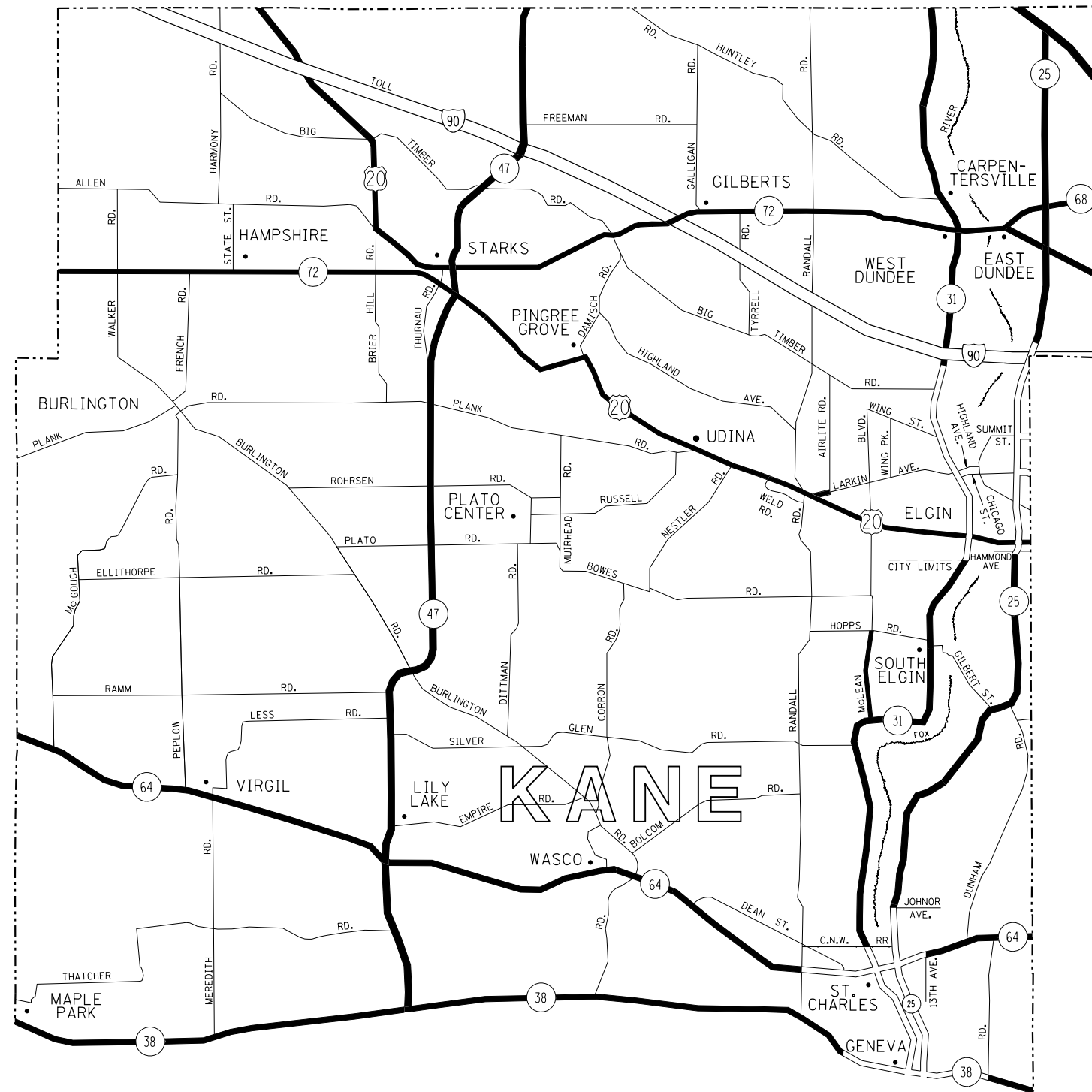
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP  
LAKE COUNTY**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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|---------------------|-------------|---------------------------|--------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS                   | 41                 | 6         |
|                     |             |                           | CONTRACT NO. 62G81 |           |
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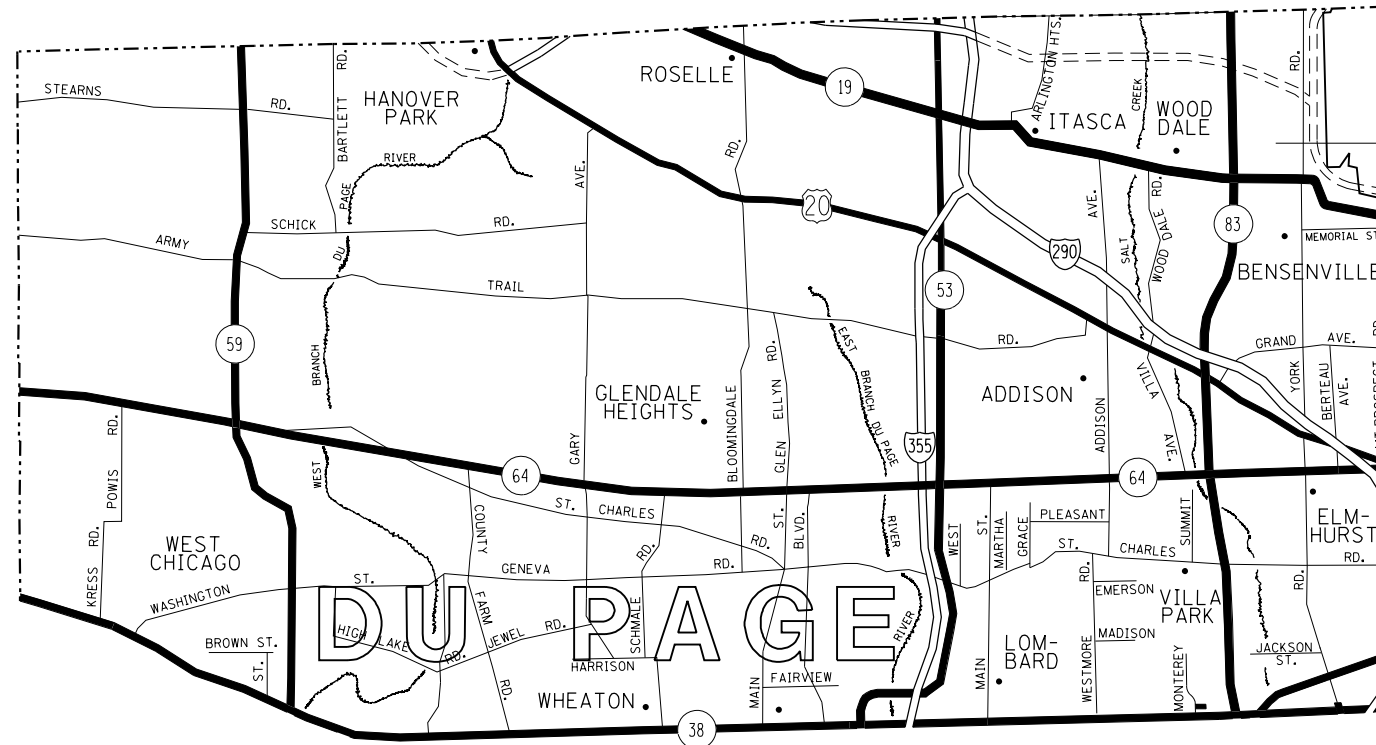
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP KANE COUNTY  
NORTH OF AND INCLUDING IL RTE 38**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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|---------------------|-------------|---------------------------|--------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS                   | 41                 | 7         |
|                     |             |                           | CONTRACT NO. 62G81 |           |
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- DISTRICT NO. 1**
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|  | PLOT DATE = 6/28/2018        | DATE -     | REVISED - |

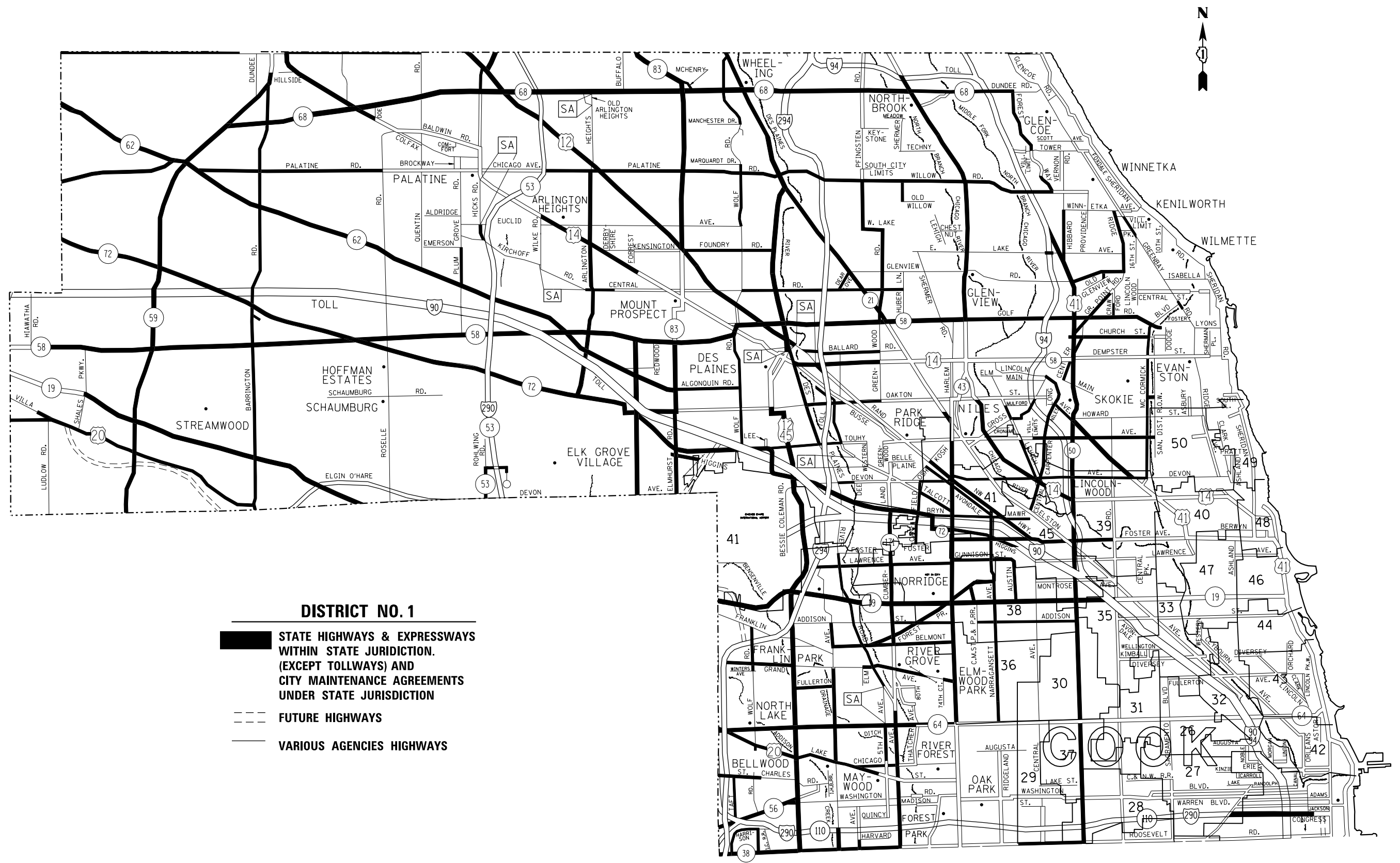
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP DuPAGE COUNTY  
NORTH OF AND INCLUDING IL RTE 38**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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|---------------------|-------------|------------------|--------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS          | 41                 | 8         |
|                     |             |                  | CONTRACT NO. 62G81 |           |
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**DISTRICT NO. 1**

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- FUTURE HIGHWAYS
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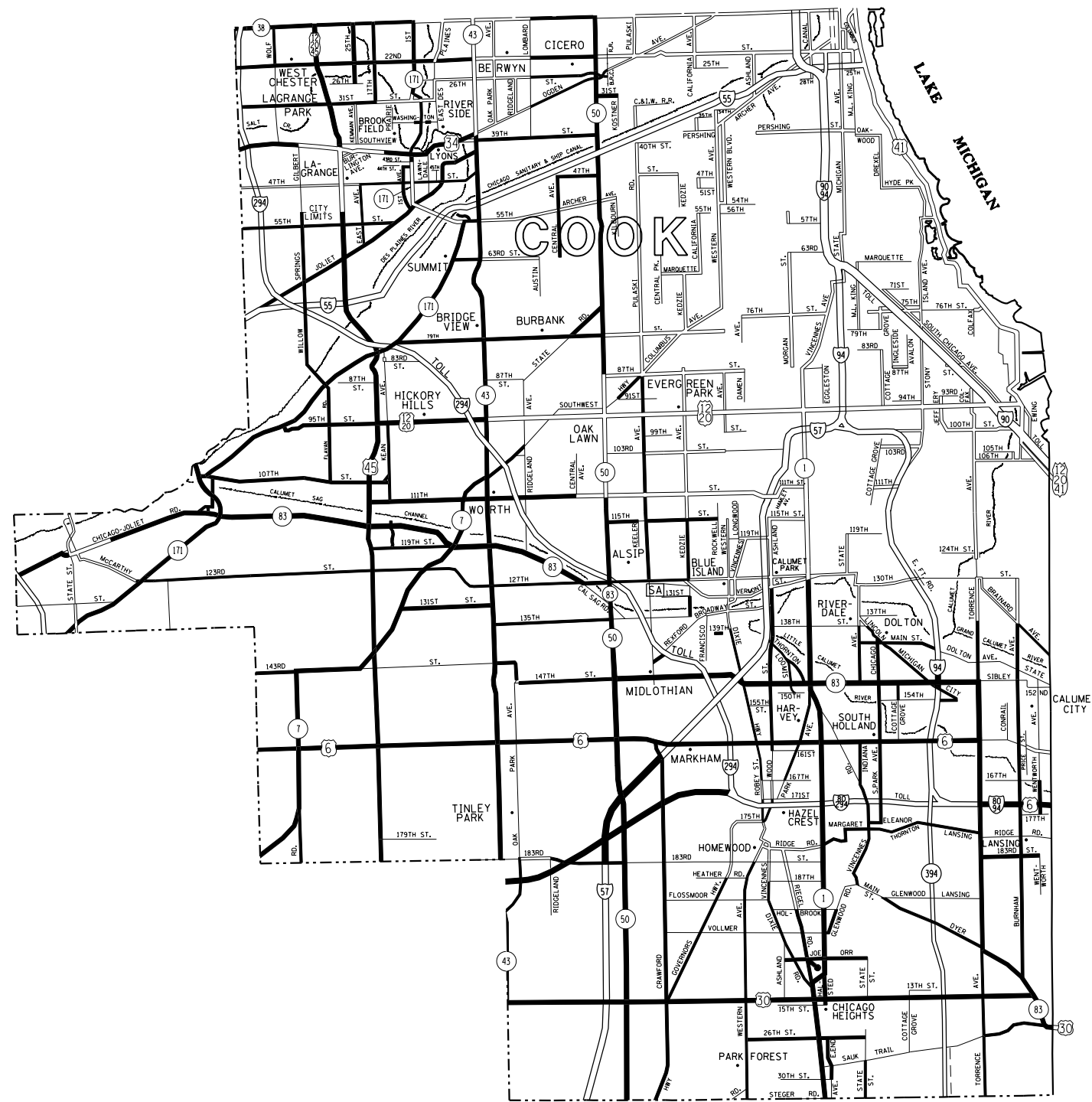
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|   |                       |            |           |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP COOK COUNTY  
NORTH OF AND INCLUDING IL. RTE 38**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|                     |                           |         |                    |           |
|---------------------|---------------------------|---------|--------------------|-----------|
| F.A. RTE.           | SECTION                   | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR               | VARIOUS | 41                 | 9         |
|                     |                           |         | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |         |                    |           |



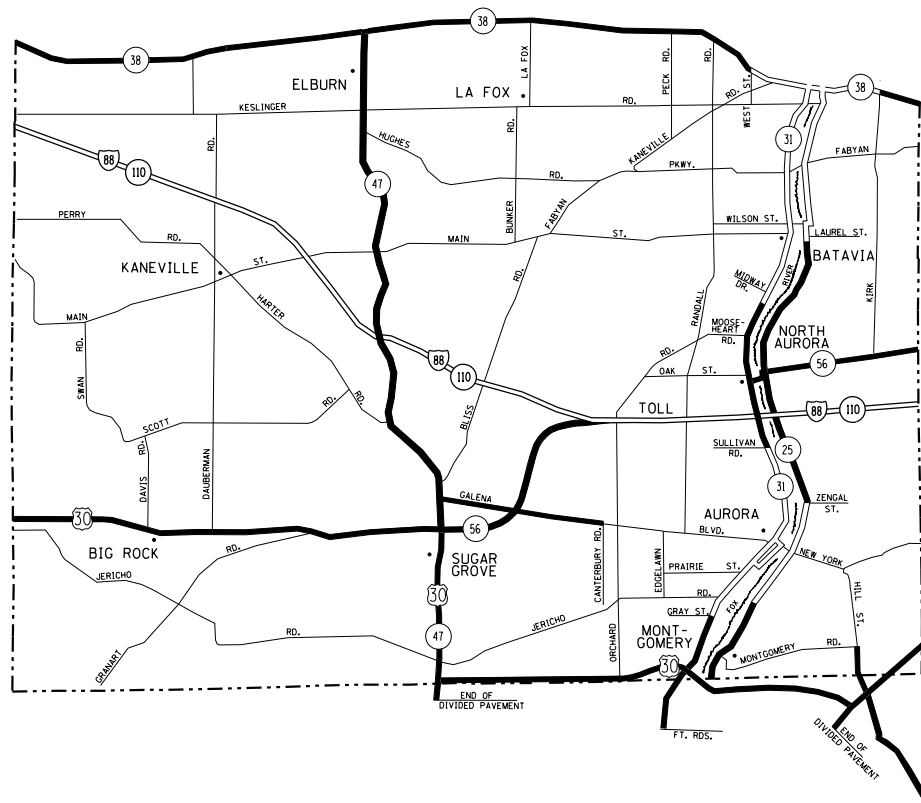
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|  |                         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |           |           |              |
|--|-----------|-----------|--------------|
| <b>GUARDRAIL REPAIR LOCATION MAP COOK COUNTY</b> |           |           |              |
| <b>SOUTH OF IL RTE 38</b>                        |           |           |              |
| SCALE:   | SHEET NO. | OF SHEETS | STA. TO STA. |

|                     |             |                  |              |           |
|---------------------|-------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS          | 41           | 10        |
| CONTRACT NO. 62G81  |             |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |              |           |



- DISTRICT NO. 1**
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
  - FUTURE HIGHWAYS
  - VARIOUS AGENCIES HIGHWAYS

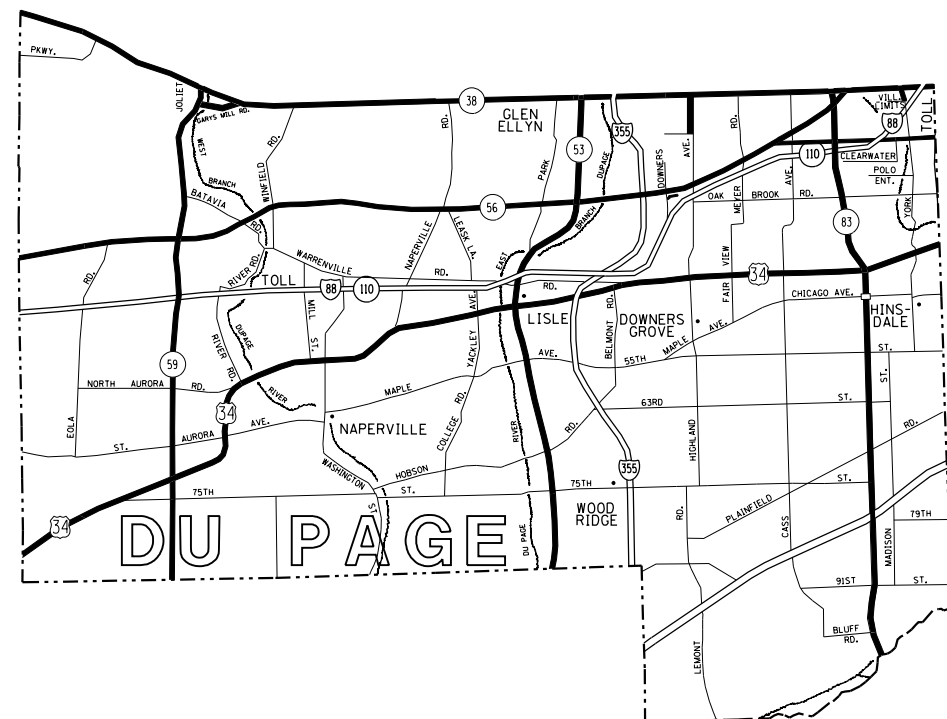
|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyzzenowskirb   | DESIGNED - | REVISED - |
| p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\MapData\Design\DI34218-sht-plen.dgn |                             | DRAWN -    | REVISED - |
|   | PLOT SCALE = 99.9998' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 6/28/2018       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP KANE COUNTY  
SOUTH OF IL RTE 38**

SCALE:                      SHEET NO.    OF    SHEETS    STA.                      TO STA.

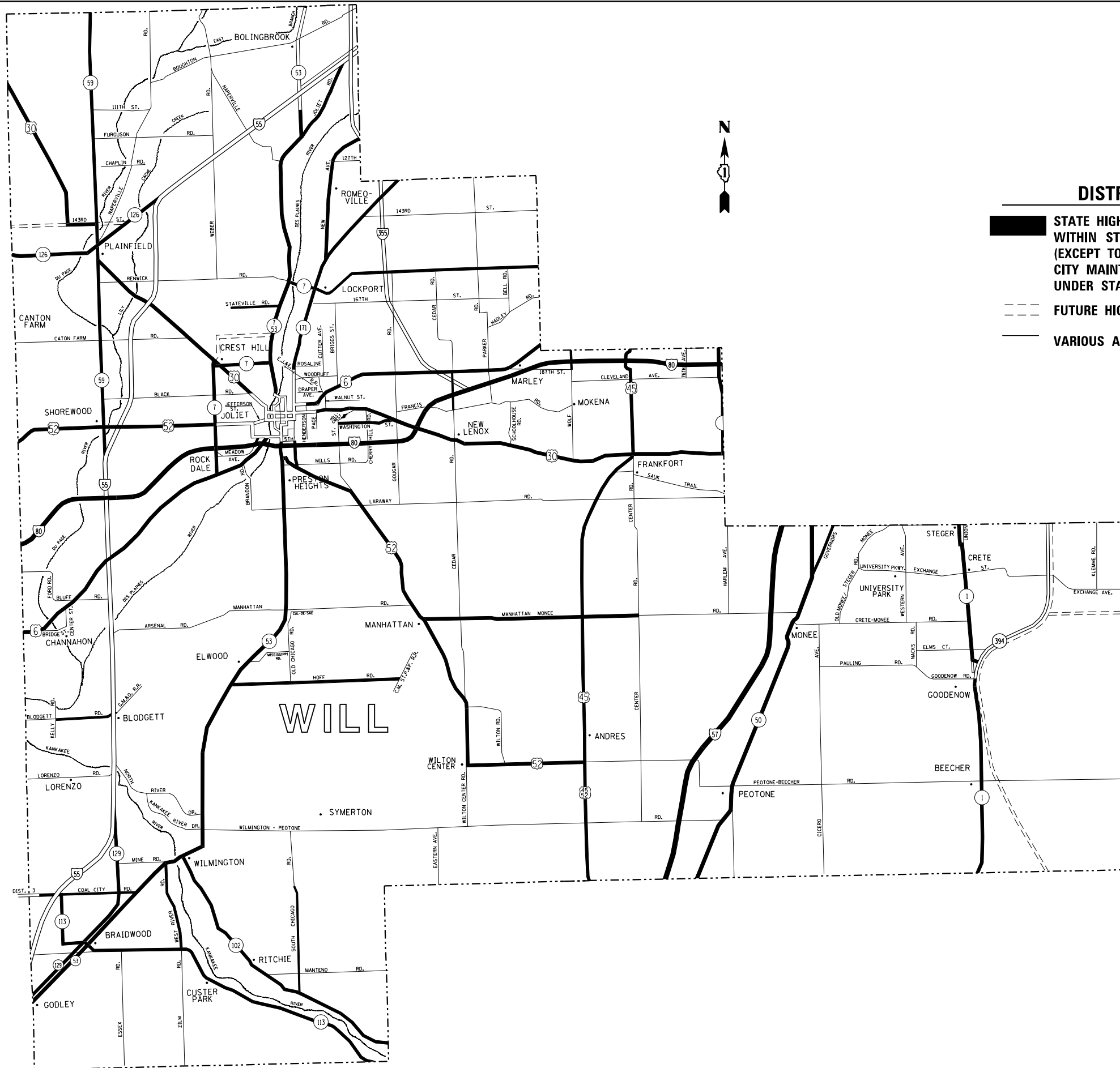
|                     |             |                  |              |           |
|---------------------|-------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS          | 41           | 11        |
| CONTRACT NO. 62G81  |             |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |              |           |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION, (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

|   |                        |            |           |   |   |   |             |         |              |           |  |
|---|------------------------|------------|-----------|---|---|---|-------------|---------|--------------|-----------|--|
| FILE NAME =   | USER NAME = pyzanoskib | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL REPAIR LOCATION MAP DuPAGE COUNTY<br/>SOUTH OF IL RTE 38</b> | F.A. RTE.                                     | SECTION     | COUNTY  | TOTAL SHEETS | SHEET NO. |  |
| pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sht-plan.dgn |                        | DRAWN      | REVISED - |   |   | VAR.  | 2018-008-GR | VARIOUS | 41           | 12        |  |
|   |                        | CHECKED -  | REVISED - |   |   | CONTRACT NO. 62G81                            |             |         |              |           |  |
|   |                        | DATE -     | REVISED - |   |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |         |              |           |  |
|   |                        |            |           | SCALE:  |   | SHEET NO.                                     | OF SHEETS   | STA.    | TO STA.      |           |  |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

|   |                           |            |           |
|---|---------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyrzenowskirb | DESIGNED - | REVISED - |
| p:\will\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sh1-plan.dgn |                           | REVISED -  | REVISED - |
| PLOT SCALE = 99.9998 / in.  | CHECKED -                 | REVISED -  | REVISED - |
| PLOT DATE = 6/28/2018   | DATE -                    | REVISED -  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP  
WILL COUNTY**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|   |             |         |                    |           |
|---|-------------|---------|--------------------|-----------|
| F.A. RTE.                                     | SECTION     | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS | 41                 | 13        |
|   |             |         | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |         |                    |           |



- DISTRICT NO. 1**
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION, (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
  - FUTURE HIGHWAYS
  - VARIOUS AGENCIES HIGHWAYS

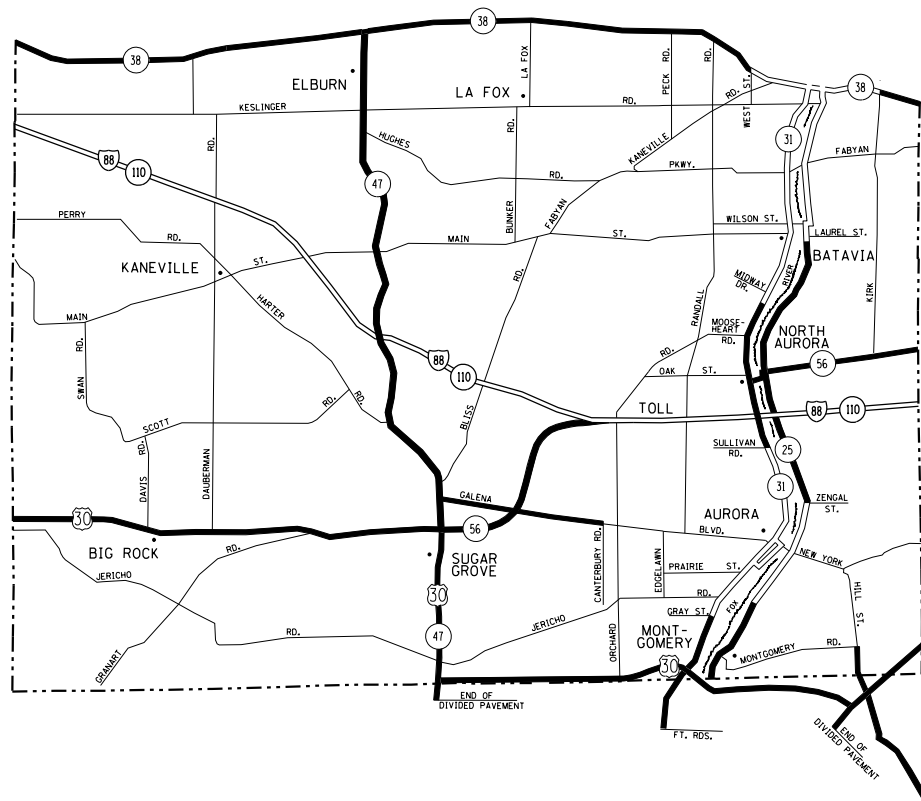
|  |                         |            |           |
|--|-------------------------|------------|-----------|
| FILE NAME =  | USER NAME = pyrzenowski | DESIGNED - | REVISED - |
| p:\1\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI34218\Design\DI34218-shr-plan.dgn |                         | REVISED -  | REVISED - |
|  |                         | CHECKED -  | REVISED - |
|  |                         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP COOK COUNTY  
SOUTH OF IL RTE 38**

|                     |             |                  |              |           |
|---------------------|-------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS          | 41           | 14        |
| CONTRACT NO. 62G81  |             |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |              |           |

SCALE: SHEET NO. OF SHEETS STA. TO STA.



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURIDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURIDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

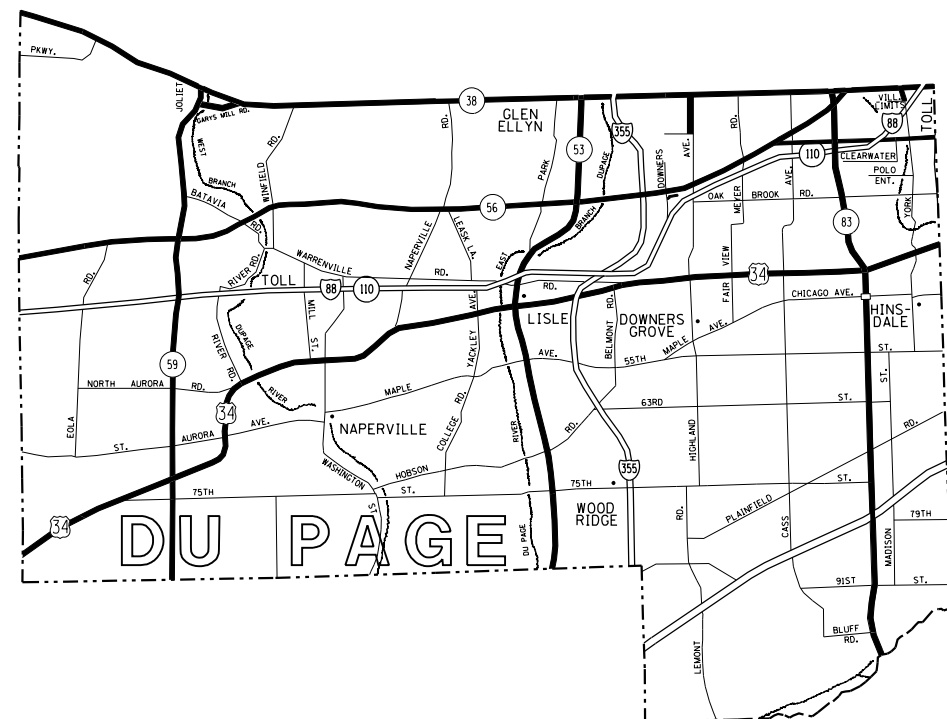
|   |                        |            |           |
|---|------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyzenowski | DESIGNED - | REVISED - |
| p:\11084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Map\Design\DI34218-sht-plen.dgn |                        | DRAWN -    | REVISED - |
|   |                        | CHECKED -  | REVISED - |
|   |                        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP KANE COUNTY  
SOUTH OF IL RTE 38**

SCALE:      SHEET NO.      OF      SHEETS      STA.      TO      STA.

|                     |             |                  |              |           |
|---------------------|-------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS          | 41           | 15        |
| CONTRACT NO. 62G81  |             |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |              |           |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

|  |                         |            |           |
|--|-------------------------|------------|-----------|
| FILE NAME =  | USER NAME = pyzanoskrib | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sht-plan.dgn |                         | CHECKED -  | REVISED - |
|  |                         | DATE -     | REVISED - |

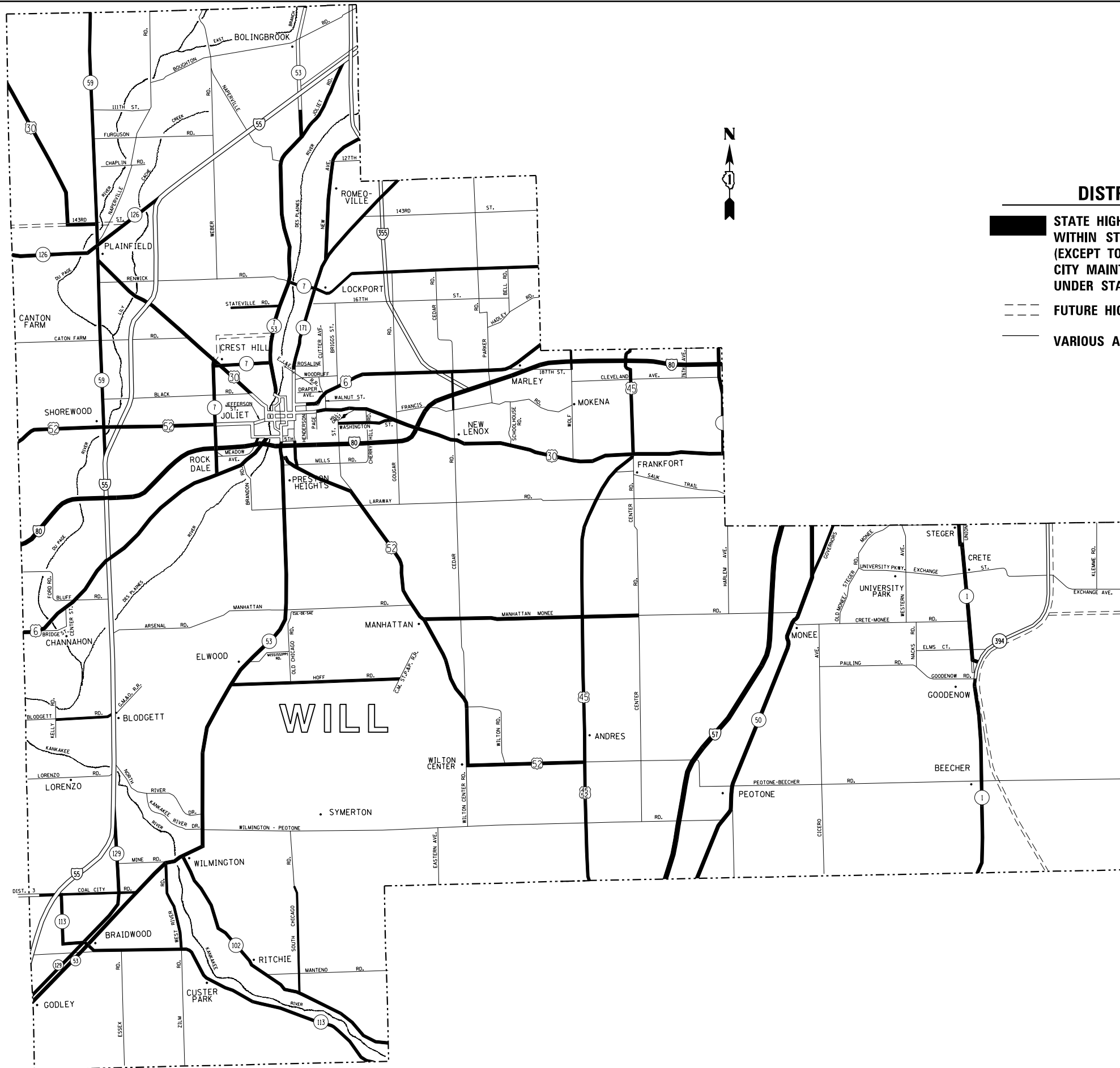
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP DuPAGE COUNTY  
SOUTH OF IL RTE 38**

SCALE:      SHEET NO.    OF    SHEETS    STA.            TO STA.

|                     |             |                  |                    |           |
|---------------------|-------------|------------------|--------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS          | 41                 | 16        |
|                     |             |                  | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |                    |           |





**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

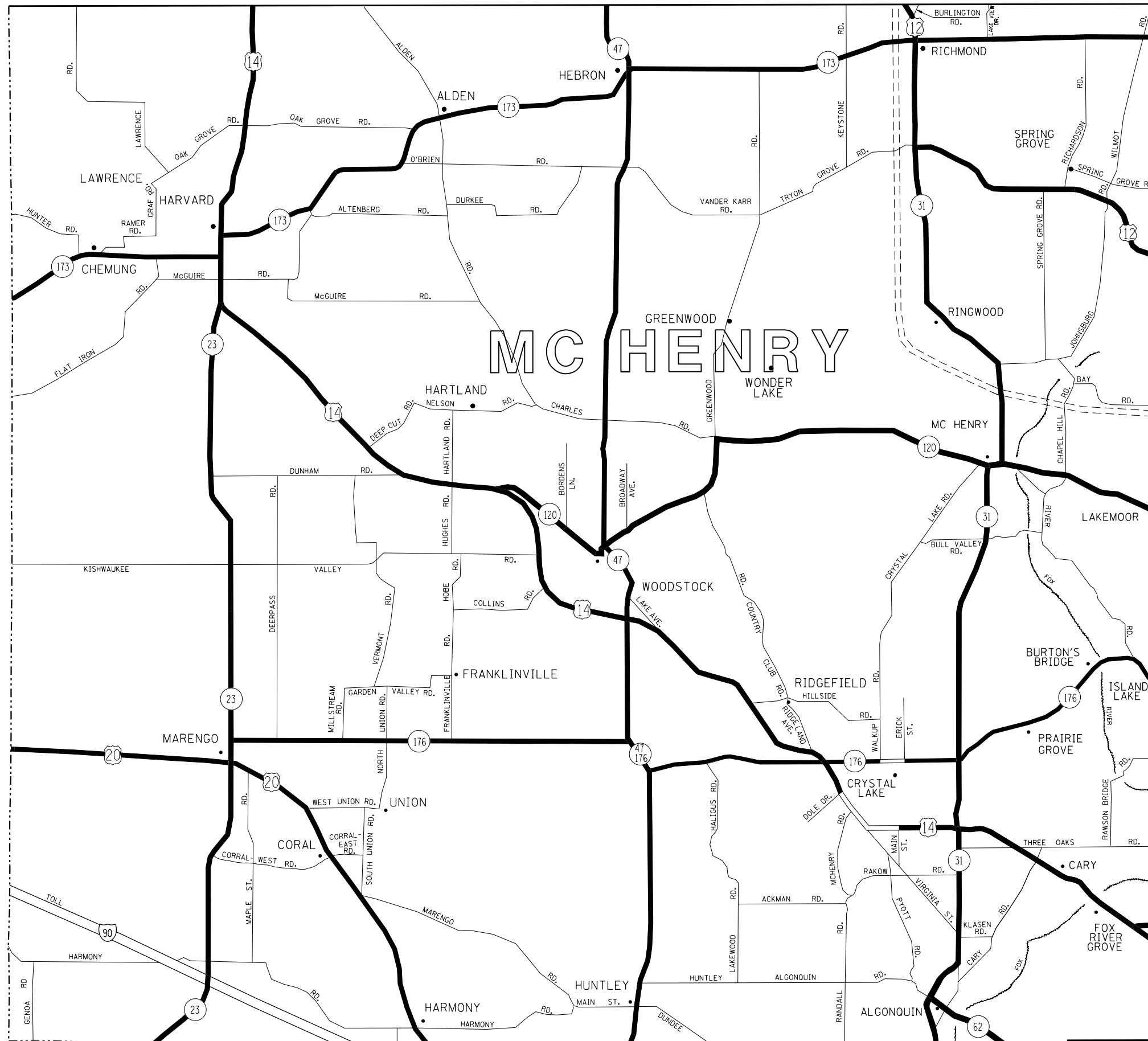
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|---|---------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyrzenowskirb | DESIGNED - | REVISED - |
| p:\11\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sht-plan.dgn |                           | REVISED -  | REVISED - |
| PLOT SCALE = 99.9998' / in.   | CHECKED -                 | REVISED -  | REVISED - |
| PLOT DATE = 6/28/2018   | DATE -                    | REVISED -  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP  
WILL COUNTY**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|   |             |         |                    |           |
|---|-------------|---------|--------------------|-----------|
| F.A. RTE.                                     | SECTION     | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS | 41                 | 17        |
|   |             |         | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |         |                    |           |

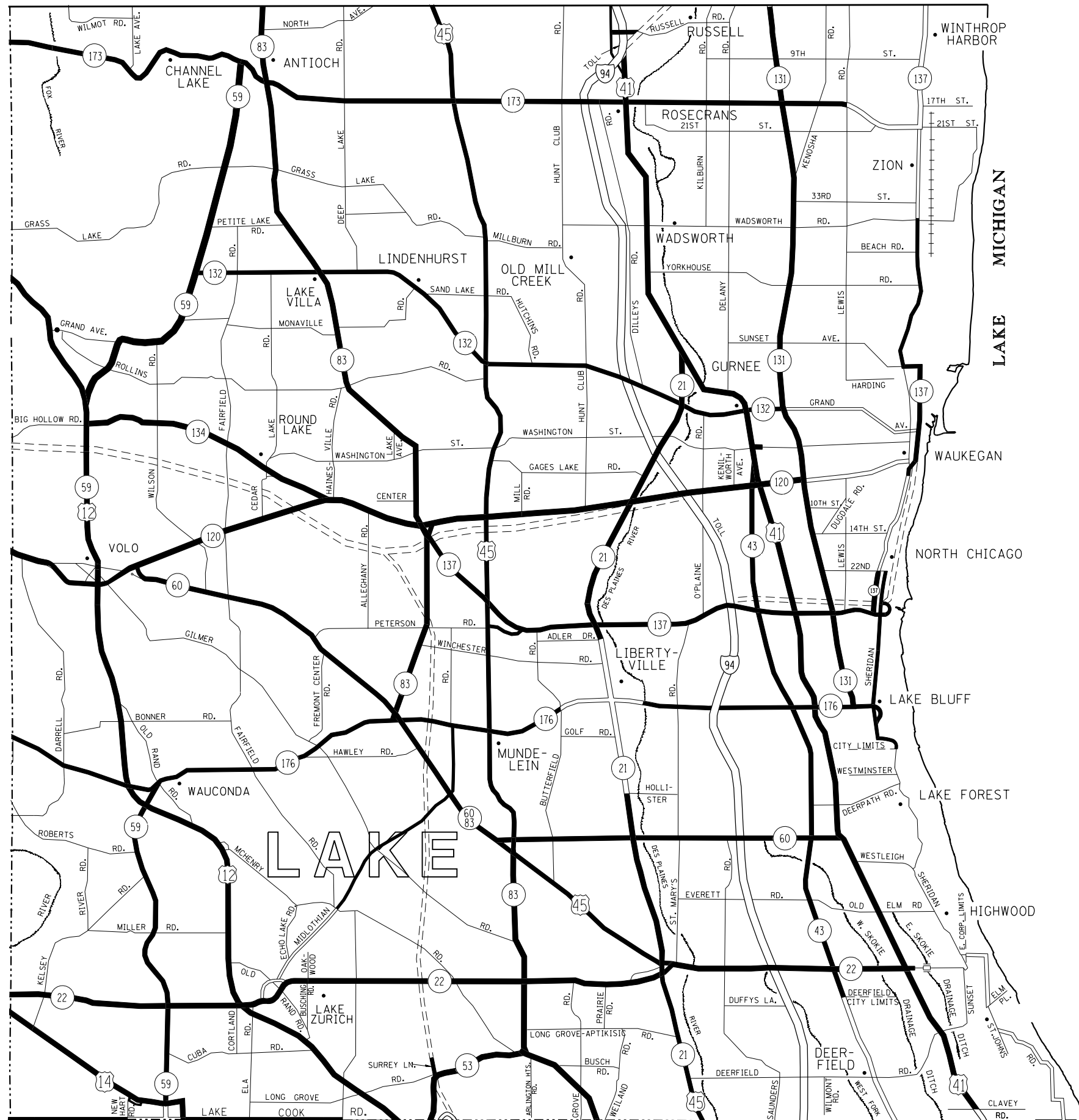


**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

|  |                           |            |           |   |   |  |  |                     |             |                  |              |           |
|--|---------------------------|------------|-----------|---|---|--|--|---------------------|-------------|------------------|--------------|-----------|
| FILE NAME =  | USER NAME = pyzzenowskirb | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>GUARDRAIL REPAIR LOCATION MAP<br/>McHENRY COUNTY</b> |  |  | F.A. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| p:\1\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-shr-plan.dgn |                           | REVISION   | REVISION  |   |   |  |  | VAR.                | 2018-008-GR | VARIOUS          | 41           | 18        |
| PLOT SCALE = 100.0000' / in.   | CHECKED -                 | REVISED -  | REVISED - |   |   |  |  | CONTRACT NO. 62G81  |             |                  |              |           |
| PLOT DATE = 6/28/2018  | DATE -                    | REVISED -  | REVISED - |   |   |  |  | FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |              |           |

SCALE: SHEET NO. OF SHEETS STA. TO STA.



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS  
WITHIN STATE JURISDICTION.  
(EXCEPT TOLLWAYS) AND  
CITY MAINTENANCE AGREEMENTS  
UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

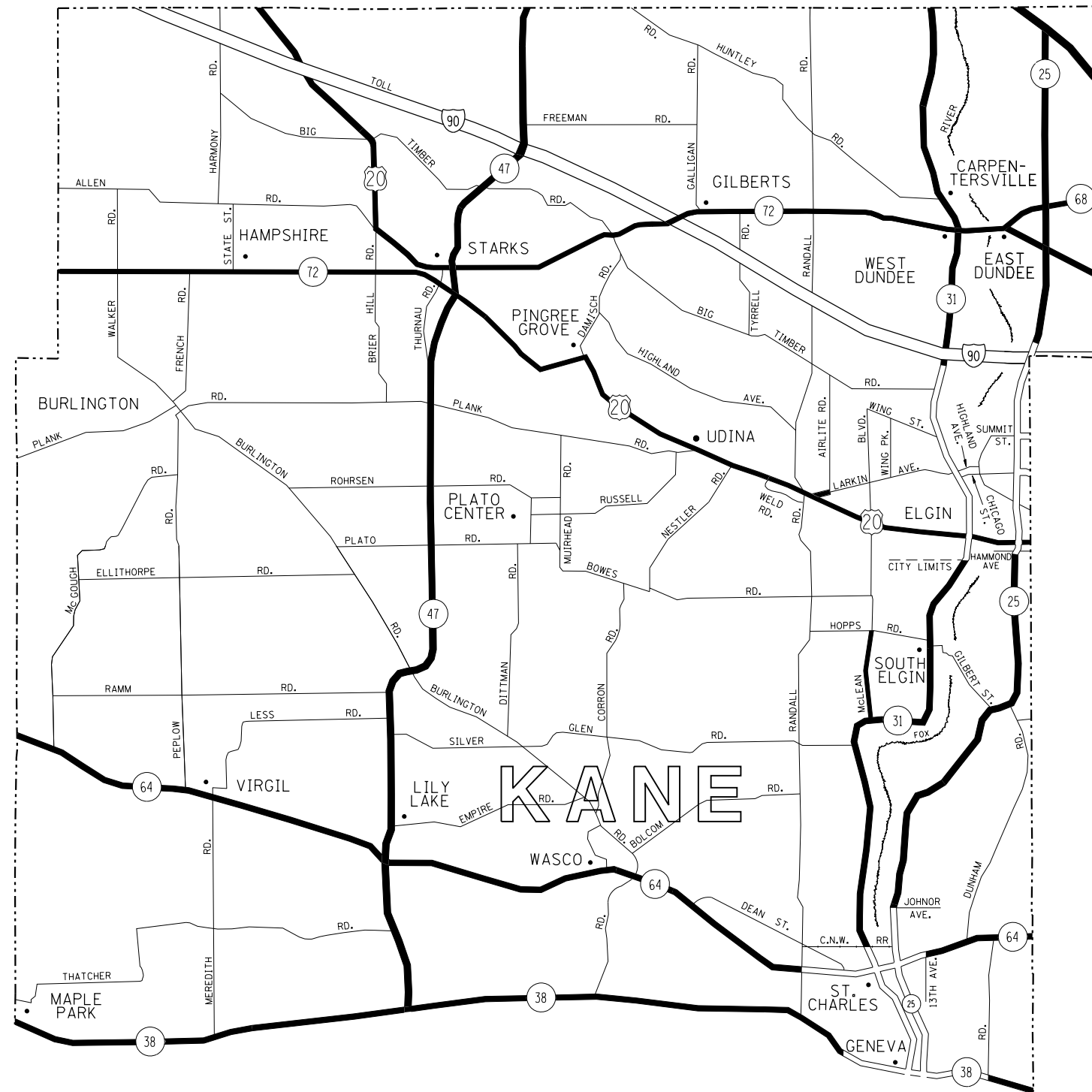
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|---|------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyznowskrb | DESIGNED - | REVISED - |
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|   |                        | CHECKED -  | REVISED - |
|   |                        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP  
LAKE COUNTY**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|                     |             |                           |                    |           |
|---------------------|-------------|---------------------------|--------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS                   | 41                 | 19        |
|                     |             |                           | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |                    |           |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

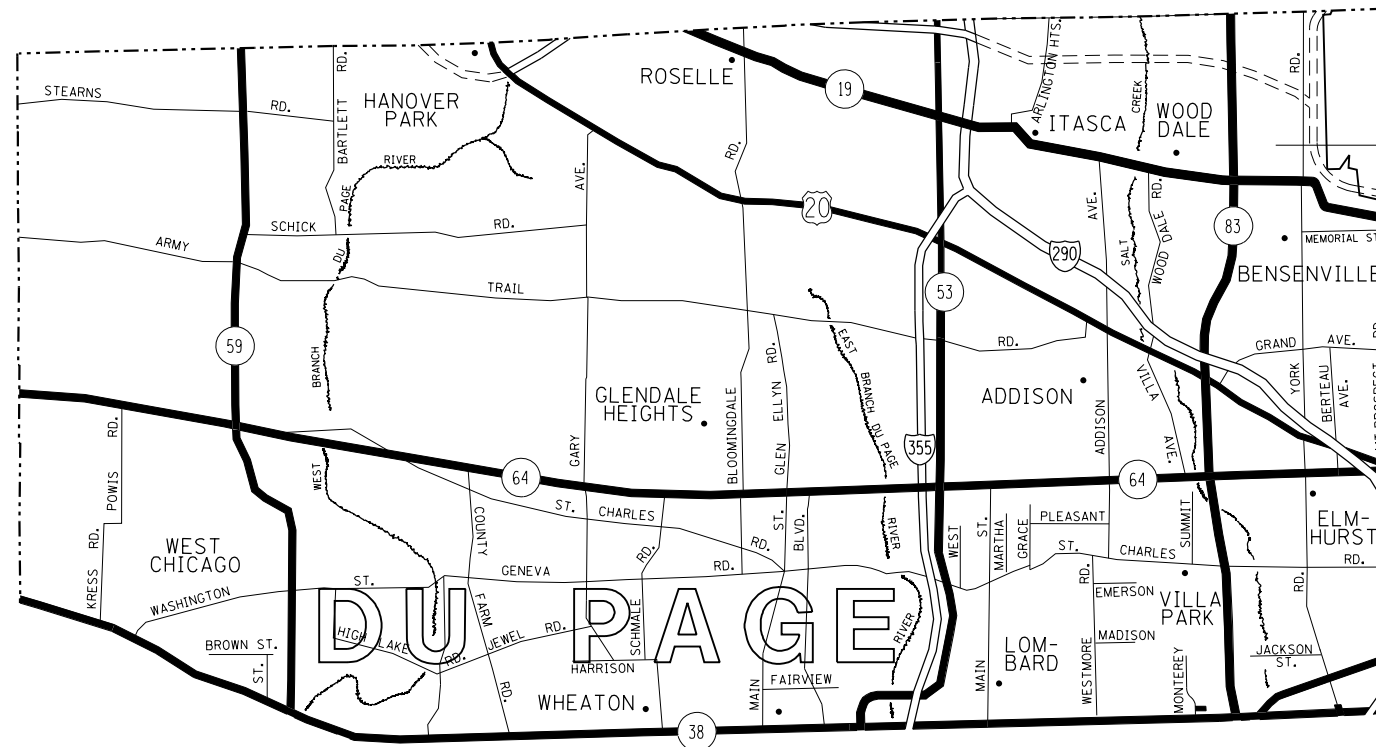
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|--|---------------------------|------------|-----------|
| FILE NAME =  | USER NAME = pyrzenowskirb | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI34218\MapData\Design\DI34218-shr-plan.dgn |                           | REVISED -  | REVISED - |
|  |                           | CHECKED -  | REVISED - |
|  |                           | DATE -     | REVISED - |
|  |                           |            |           |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP KANE COUNTY  
NORTH OF AND INCLUDING IL RTE 38**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|                     |             |                           |              |           |
|---------------------|-------------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS                   | 41           | 20        |
| CONTRACT NO. 62G81  |             |                           |              |           |
| FED. ROAD DIST. NO. |             | ILLINOIS FED. AID PROJECT |              |           |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

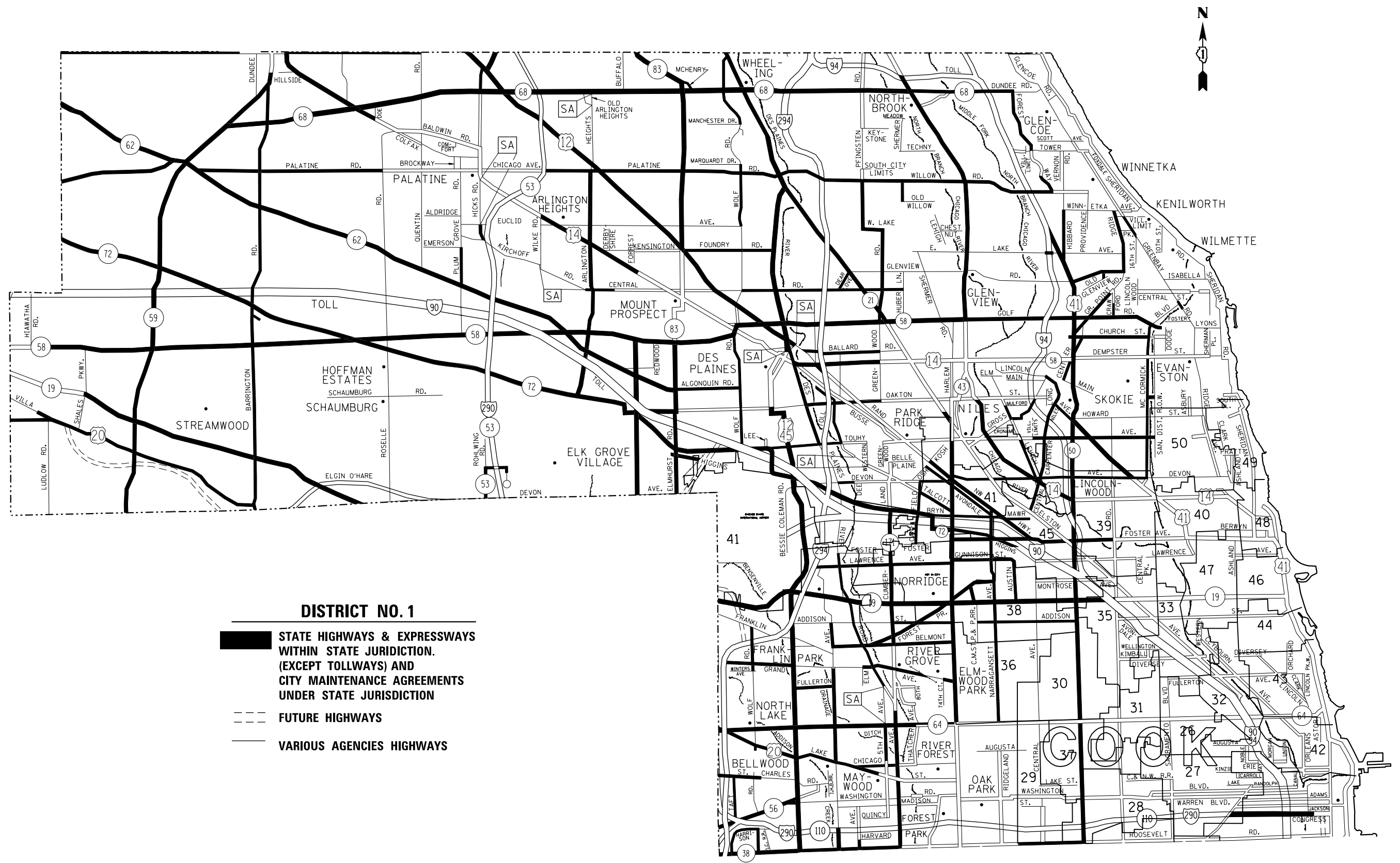
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| FILE NAME =  | USER NAME = pyzzenowskirb    | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI34218\Design\DI34218-sh1-plan.dgn |                              | REVISED -  | REVISED - |
|  | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 6/28/2018        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP DuPAGE COUNTY  
NORTH OF AND INCLUDING IL RTE 38**

SCALE:                      SHEET NO.    OF    SHEETS    STA.                      TO STA.

|                     |             |         |                           |           |
|---------------------|-------------|---------|---------------------------|-----------|
| F.A. RTE.           | SECTION     | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| VAR.                | 2018-008-GR | VARIOUS | 41                        | 21        |
| FED. ROAD DIST. NO. |             |         | ILLINOIS FED. AID PROJECT |           |
|                     |             |         | CONTRACT NO. 62G81        |           |



**DISTRICT NO. 1**

- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION. (EXCEPT TOLLWAYS) AND CITY MAINTENANCE AGREEMENTS UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPAIR LOCATION MAP COOK COUNTY  
NORTH OF AND INCLUDING IL. RTE 38**

|   |                        |            |           |
|---|------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyzanoskib | DESIGNED - | REVISED - |
| p:\11\084EBID\TEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI34218\Design\DI34218-shr-plan.dgn |                        | REVISED -  | REVISED - |
|   |                        | CHECKED -  | REVISED - |
|   |                        | DATE -     | REVISED - |
|   |                        |            |           |

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|                     |                           |         |              |           |
|---------------------|---------------------------|---------|--------------|-----------|
| F.A. RTE.           | SECTION                   | COUNTY  | TOTAL SHEETS | SHEET NO. |
| VAR.                | 2018-008-GR               | VARIOUS | 41           | 22        |
| CONTRACT NO. 62G81  |                           |         |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |         |              |           |

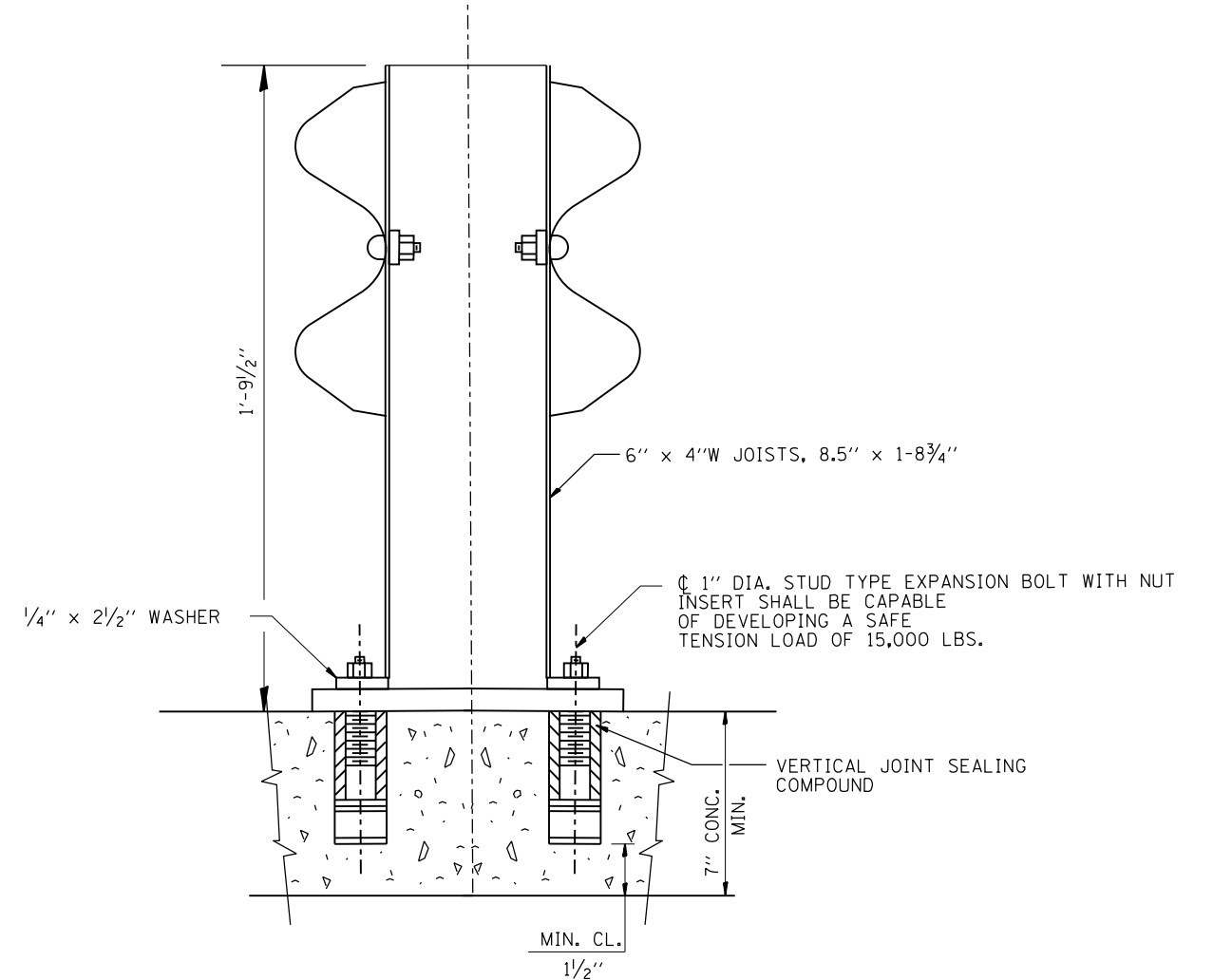
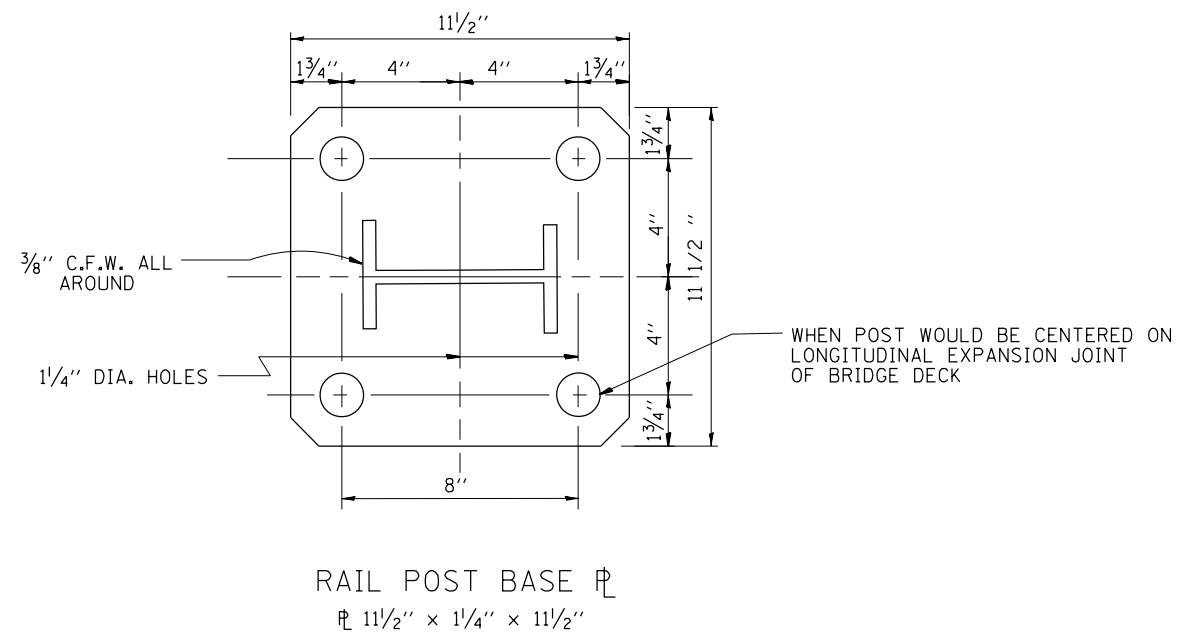
NOTE:  
 FOR DETAILS OF RAIL ELEMENTS, RAIL SPLICING, NUT, BOLT AND SIDE VIEW OF RAIL, SEE STANDARD 2230-2.

ALL WELDS SHALL BE GROUND SMOOTH

POSTS SHALL BE CUT AND WELDED TO THE BASE PLATE SO THAT THE POST WILL BE PLUMB WHEN ERECTED.

TWO PERCENT (2%) OF ALL ANCHOR BOLTS SHALL BE TEST LOADED IN PLACE, MINIMUM TEST LOAD=8 KIPS. IF ONE ANCHOR BOLT FAILS DURING THE TEST, TWO OTHER ANCHOR BOLTS SHALL BE TESTED. TESTING EQUIPMENT SHALL BE BOLT COMPANIES.

PROVIDE 1/8" AND 2/16" GALVANIZED SHIMS FOR 25% OF THE POSTS.



|  |                         |                 |                               |
|--|-------------------------|-----------------|-------------------------------|
| FILE NAME =  | USER NAME = pyrzenowski | DESIGNED -      | REVISED - R. RITCHIE 05-02-00 |
| p:\11084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI3428\Drawings\Design\11084EBIDINTEG\11084EBIDINTEG.dgn |                         | CHECKED -       | REVISED -                     |
|  |                         | DATE - 10-31-88 | REVISED -                     |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

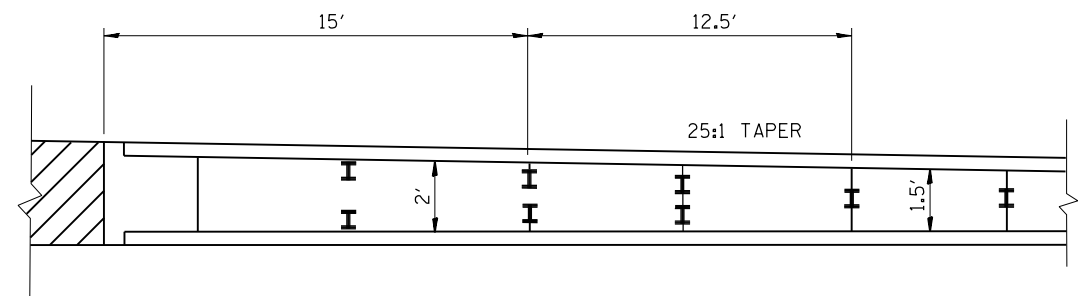
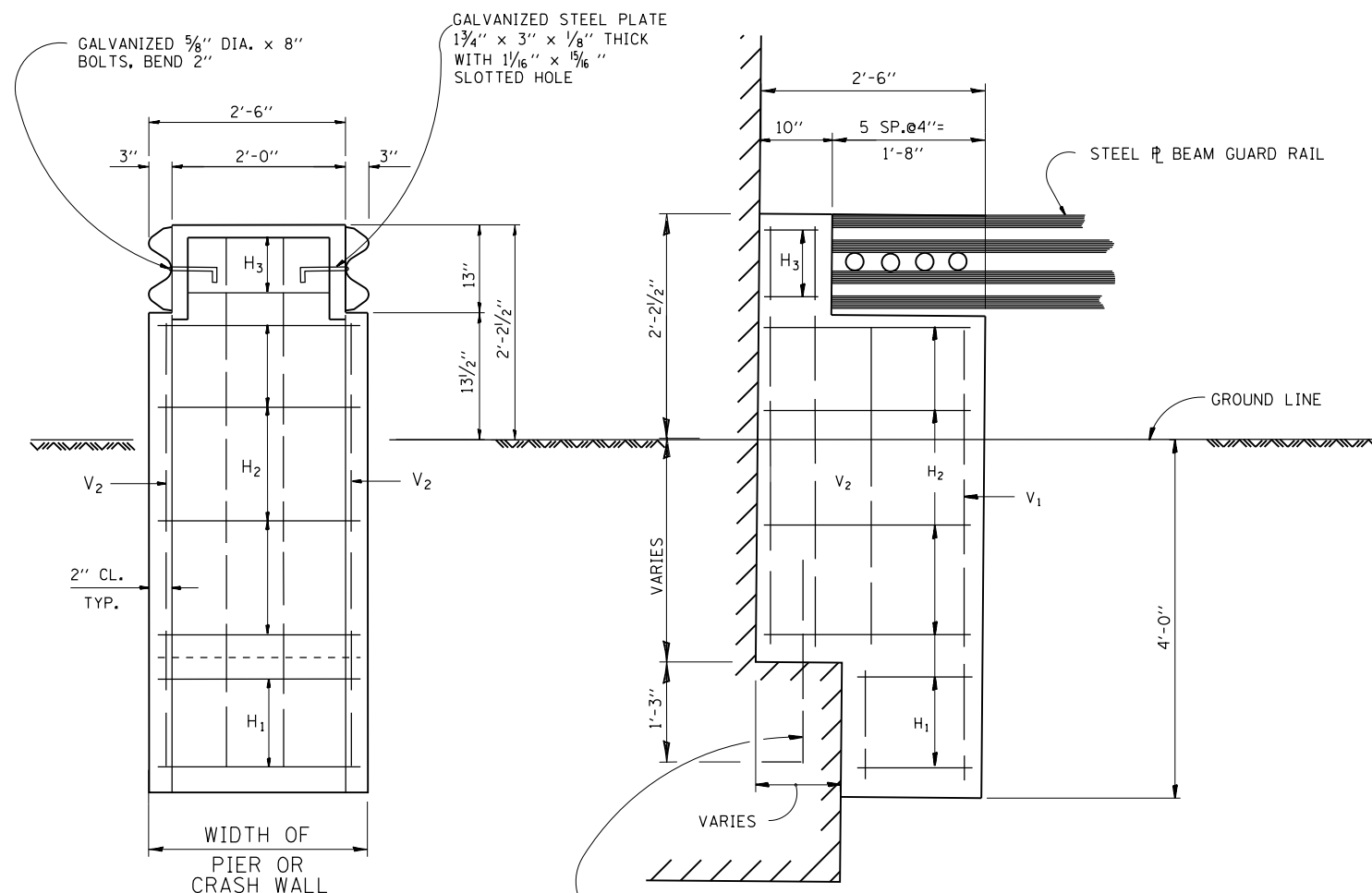
ANCHOR DETAIL FOR STEEL PLATE BEAM  
 GUARDRAIL ON CONCRETE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|   |             |                    |              |           |
|---|-------------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS            | 41           | 23        |
| BM-02   |             | CONTRACT NO. 62G81 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |                    |              |           |

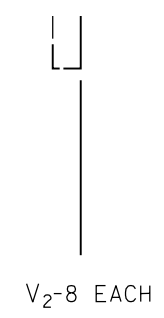
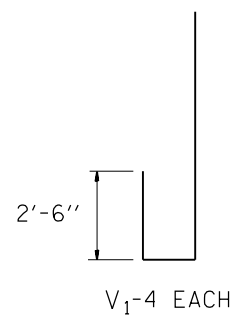
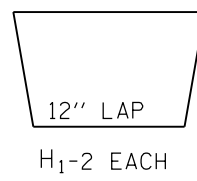
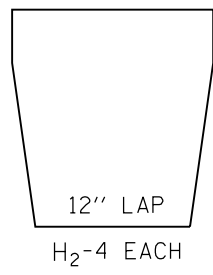
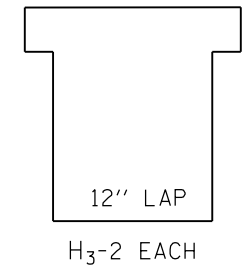
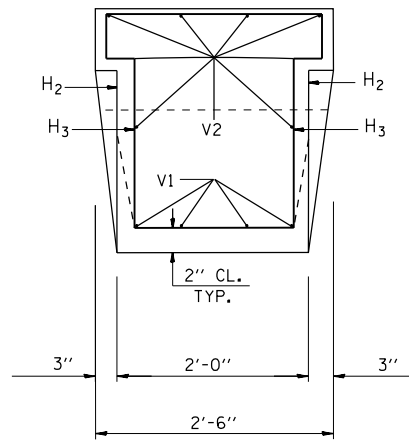




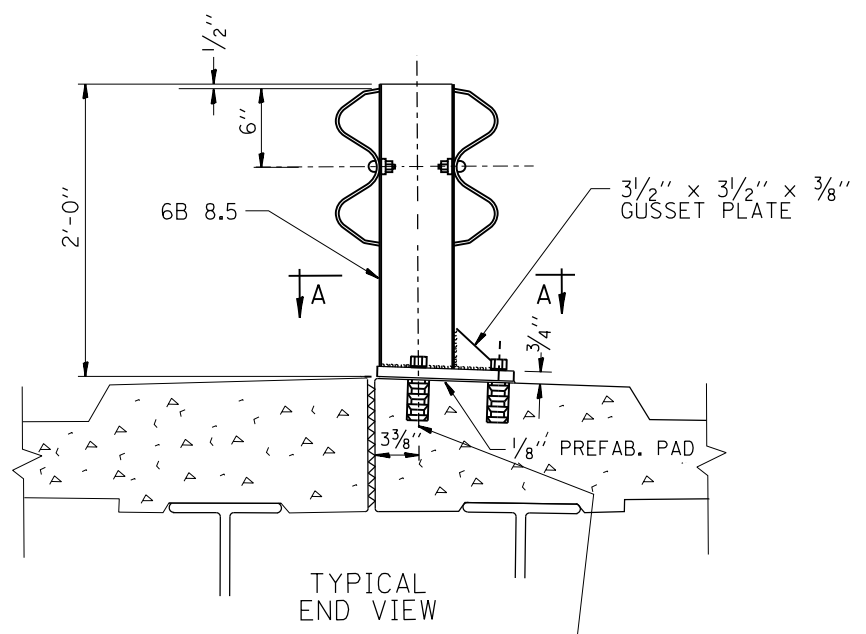


GUARD RAIL TRANSITIONS

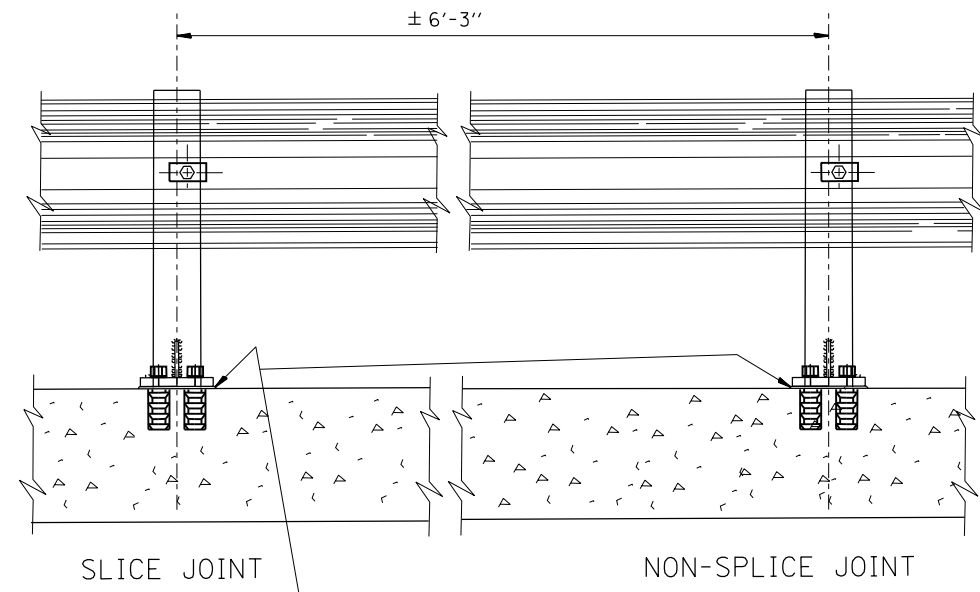
NOTES: CLASS X CONCRETE SHALL BE USED THROUGHOUT REINFORCEMENT TO BE SIZE #4 UNLESS OTHERWISE NOTED



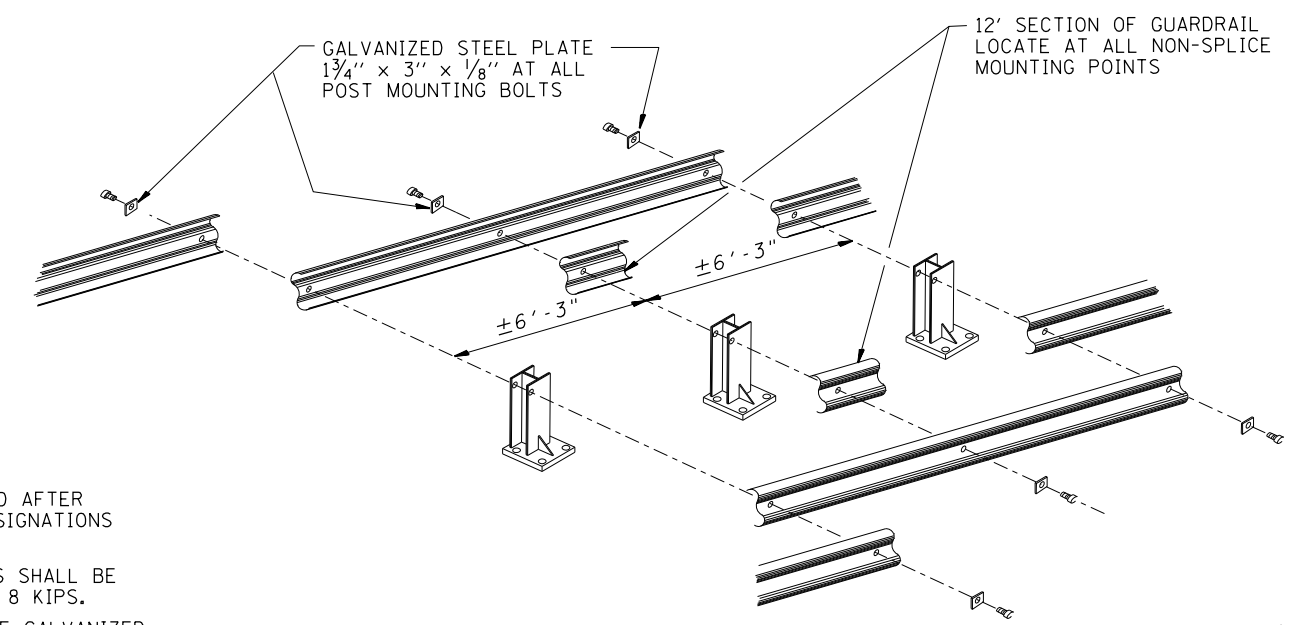
|   |                         |                              |                               |   |  |                         |      |           |         |   |              |           |    |
|---|-------------------------|------------------------------|-------------------------------|---|--|-------------------------|------|-----------|---------|---|--------------|-----------|----|
| FILE NAME =   | USER NAME = pyrzenowski | DESIGNED -                   | REVISED - R. RITCHIE 05-02-00 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL DETAILS FOR STEEL PLATE BEAM GUARDRAIL<br/>ANCHORAGE REPAIR</b> |                         |      | F.A. RTÉ. | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |    |
| pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI34218\Design\034218-sh1-plan.dgn |                         | CHECKED -                    | REVISED -                     |   | SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.   | VAR.    | 2018-008-GR                                     | VARIOUS      | 41        | 25 |
|   |                         | PLOT SCALE = 100.0000' / in. | REVISED -                     |   |  |                         |      |           |         | <b>BM-04</b>                                    | CONTRACT NO. | 62G81     |    |
|   |                         | PLOT DATE = 6/28/2018        | DATE - 10-31-88               |   |  |                         |      |           |         | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |              |           |    |



7/8" GALVANIZED ANCHOR BOLTS AND SELF-DRILLING EXPANSION SHELLS OR MULTI UNIT TYPE ANCHORS  
1/8" HOLES THRU BASE PLATE

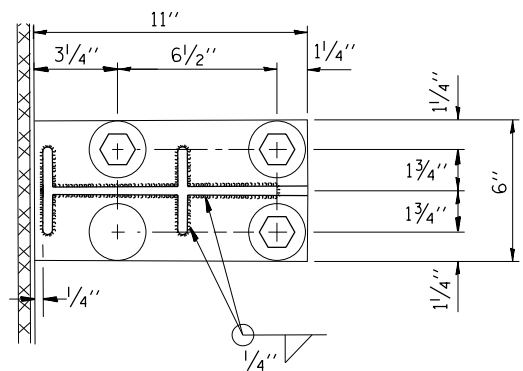


SEAL PERIMETER OF BASE OF POST TO MEDIAN WITH TWO COMPONENT NON-STAINING GRAY SEALING COMPOUND WITH POLYSULFIDE LIQUID POLYMERS - GUN GRADE WITH PRIMER



NOTE:

DIAMOND TIPPED DRILL SHALL BE USED TO DRILL THRU REINFORCEMENT BARS



SEC. A-A

NOTE:

POSTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM DESIGNATIONS A-123 AND A-385.

TWO PERCENT (2%) OF ALL ANCHOR BOLTS SHALL BE TEST LOADED IN PLACE. MIN. TEST LOAD = 8 KIPS.

ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION A-153.

FOR MATERIAL COMPOSITION OF PREFABRICATED PAD, SEE ARTICLE 54.9(F), (BEARING AND ANCHORAGE), OF THE STANDARD SPECIFICATIONS.

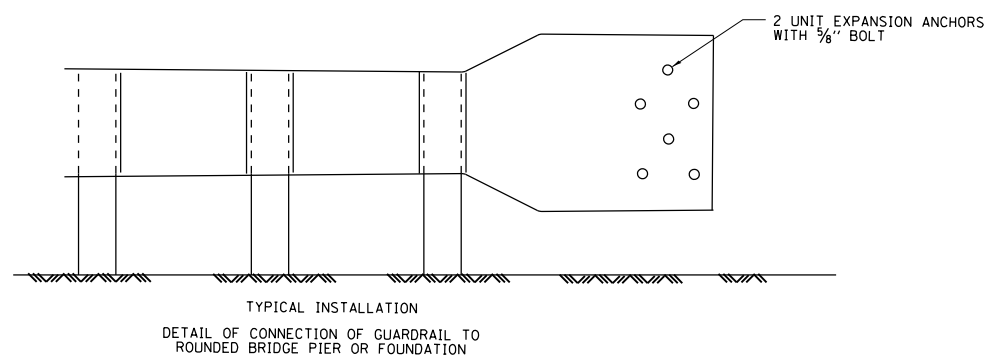
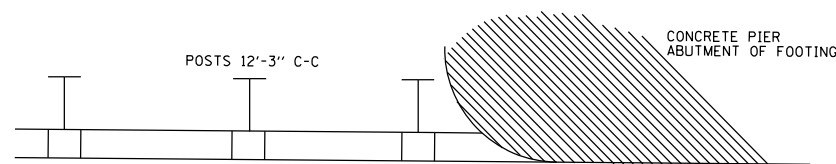
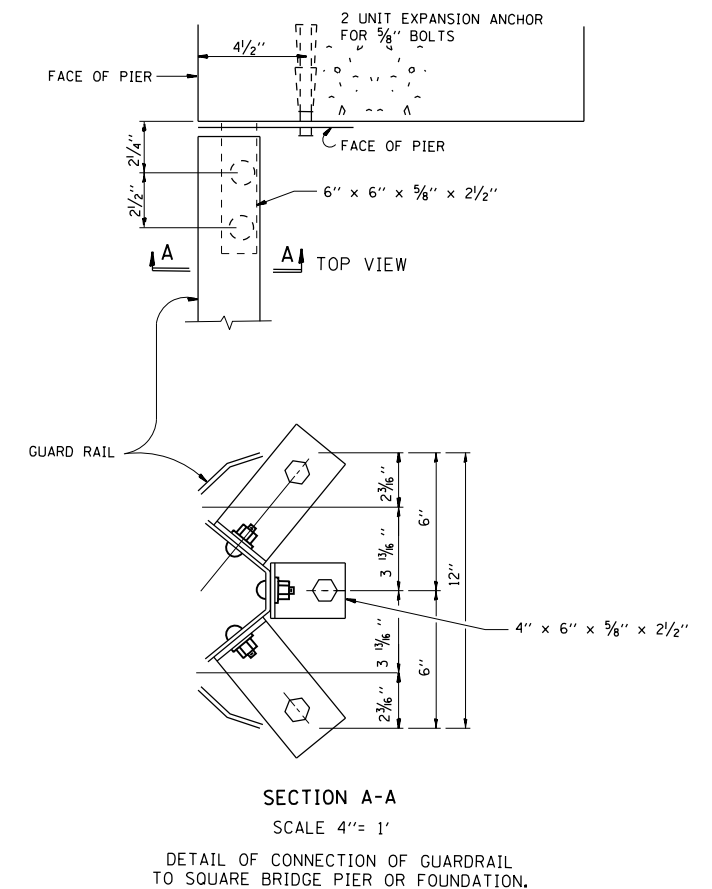
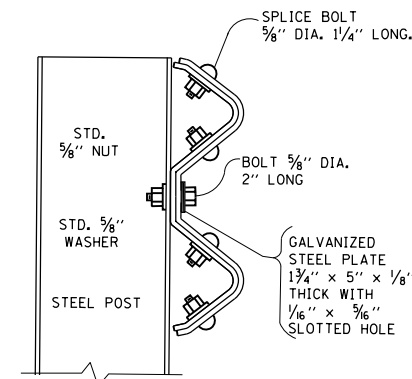
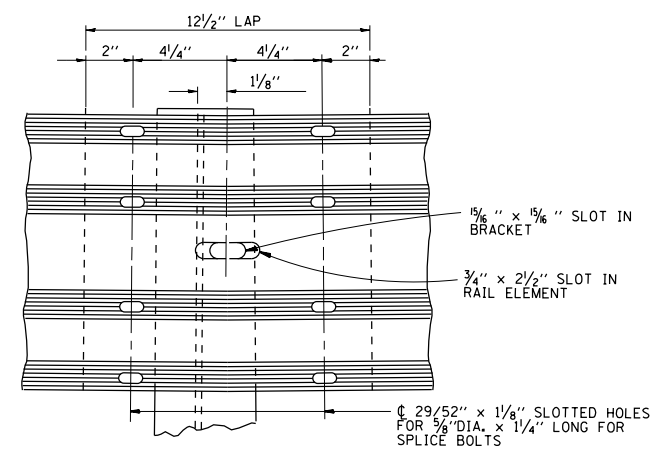
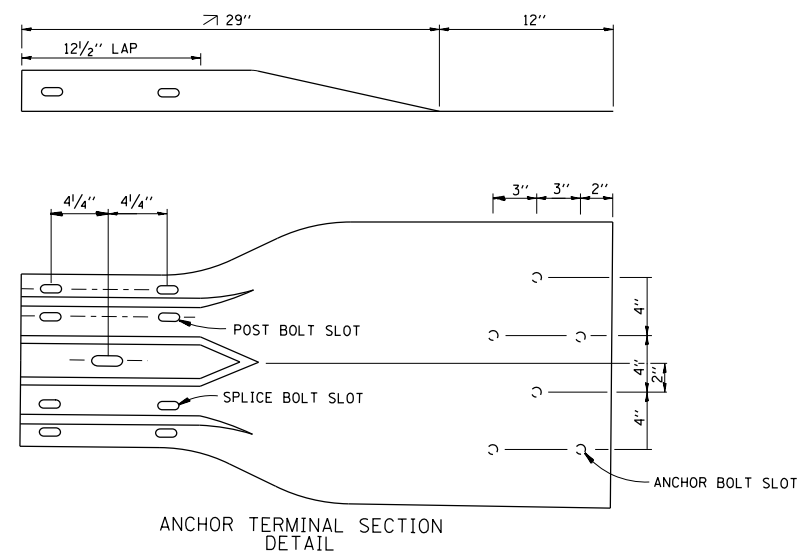
PROVIDE 1-1/8" AND 2-1/16" GALVANIZED STEEL SHIMS FOR 25% OF THE POSTS.

IF ONE ANCHOR BOLT FAILS DURING TEST, TWO OTHER ANCHOR BOLTS SHALL BE TESTED. TESTING EQUIPMENT CAN BE OBTAINED FROM BOLT COMPANIES.

THIS SHEET IS FOR INFORMATION ONLY

|  |                         |                               |                               |   |   |                         |      |           |         |   |                           |           |    |
|--|-------------------------|-------------------------------|-------------------------------|---|---|-------------------------|------|-----------|---------|---|---------------------------|-----------|----|
| FILE NAME =  | USER NAME = pyrzenowski | DESIGNED -                    | REVISED - R. RITCHIE 05-02-00 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL DETAIL FOR CENTER LONGITUDINAL JOINT<br/>GUARDRAIL JOINT</b> |                         |      | F.A. RTÉ. | SECTION | COUNTY  | TOTAL SHEETS              | SHEET NO. |    |
| pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\013428\013428-1\Design\013428-1-sht-plen.dgn |                         | CHECKED -                     | REVISED -                     |   | SCALE: NONE   | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.   | VAR.    | 2018-008-GR                                       | VARIOUS                   | 41        | 26 |
|  |                         | PLOT SCALE = 100.0000' / 1in. | REVISED -                     |   |   |                         |      |           |         | <b>BM-05</b>                                      | <b>CONTRACT NO. 62G81</b> |           |    |
|  |                         | PLOT DATE = 6/28/2018         | REVISED -                     |   |   |                         |      |           |         | FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT |                           |           |    |





THIS SHEET IS FOR INFORMATION ONLY

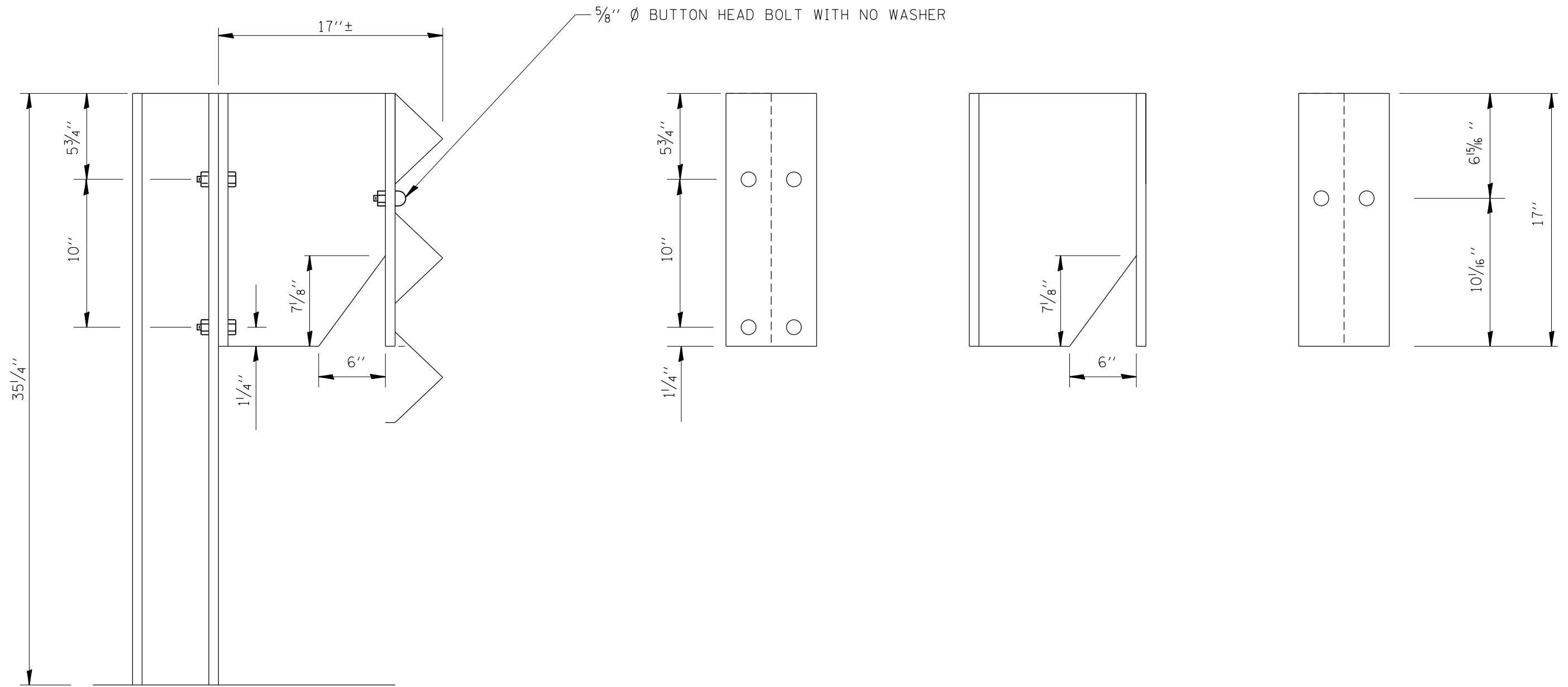
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|--|-------------------------|-----------------|-------------------------------|
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|  |                         | DATE - 10-31-88 | REVISED -                     |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAIL OF GUARDRAIL SUPPORT  
AND END ANCHORAGE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|   |             |                    |              |           |
|---|-------------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS            | 41           | 28        |
| BM-07   |             | CONTRACT NO. 62G81 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |                    |              |           |



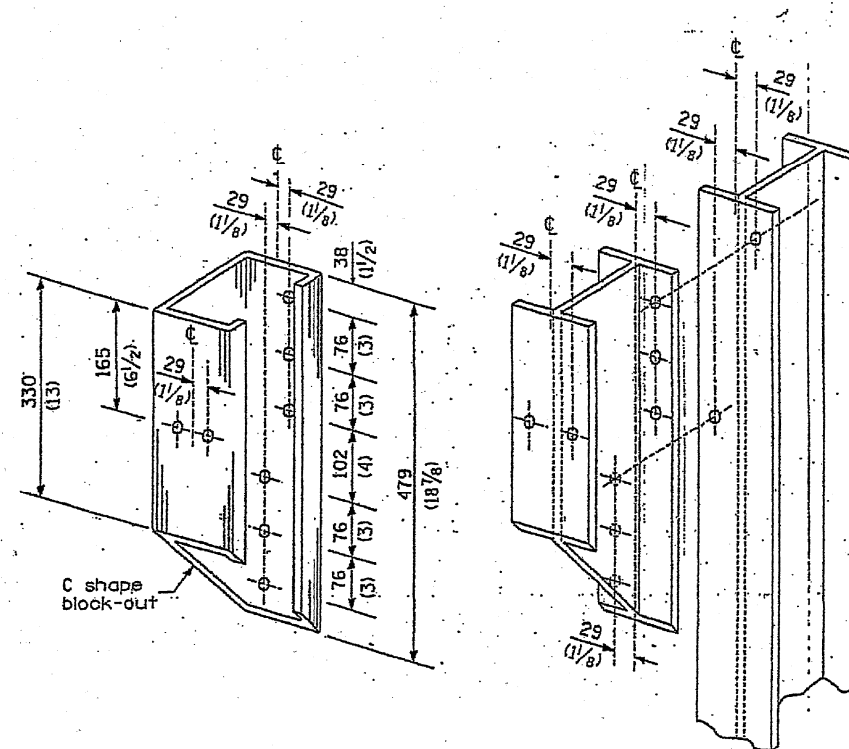
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| FILE NAME =   | USER NAME = pyrzenowski     | DESIGNED - | REVISED - |
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|   | PLOT SCALE = 100.0000' / 1" | CHECKED -  | REVISED - |
|   | PLOT DATE = 6/28/2018       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL THREE BEAM GUARDRAIL  
WITH MODIFIED OFFSET BLOCK**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

|   |             |         |                    |           |
|---|-------------|---------|--------------------|-----------|
| F.A. RTE.                                     | SECTION     | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS | 41                 | 29        |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |         | CONTRACT NO. 62G81 |           |



STEEL BLOCK-OUT AND  
STEEL POST DETAILS

|   |                              |            |           |
|---|------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = pyzenowski       | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI34218\Design\DI34218-sht-pln.dgn |                              | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 6/28/2018        | DATE -     | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STEEL PLATE BEAM GUARDRAIL**  
**STEEL BLOCK-OUT DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTÉ.                 | SECTION     | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|-------------|---------|--------------------|-----------|
| VAR.                      | 2018-008-GR | VARIOUS | 41                 | 30        |
|                           |             |         | CONTRACT NO. 62G81 |           |
| ILLINOIS FED. AID PROJECT |             |         |                    |           |

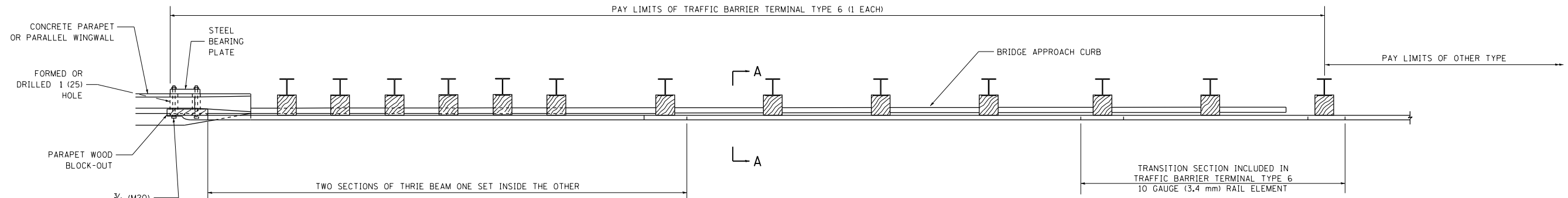




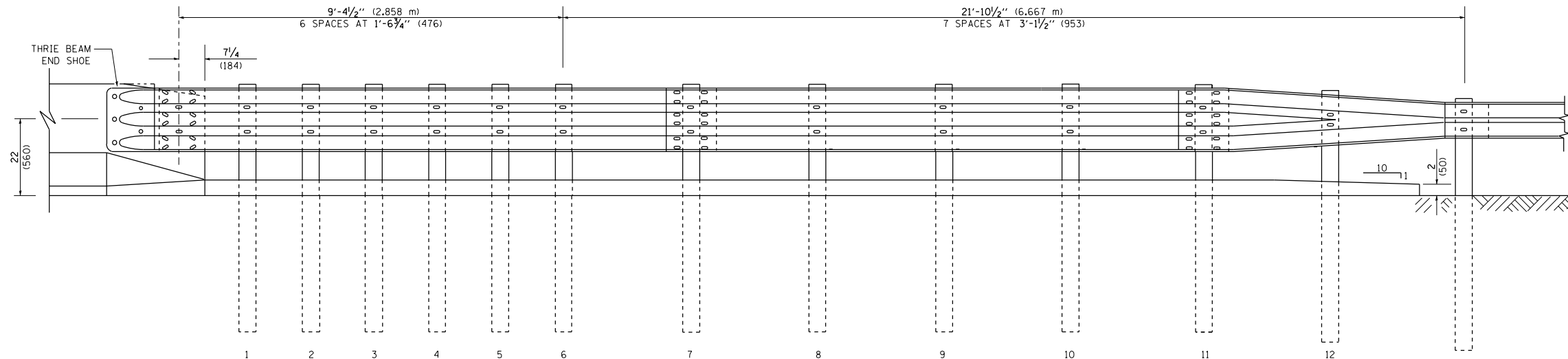


PARAPET OR WINGWALL

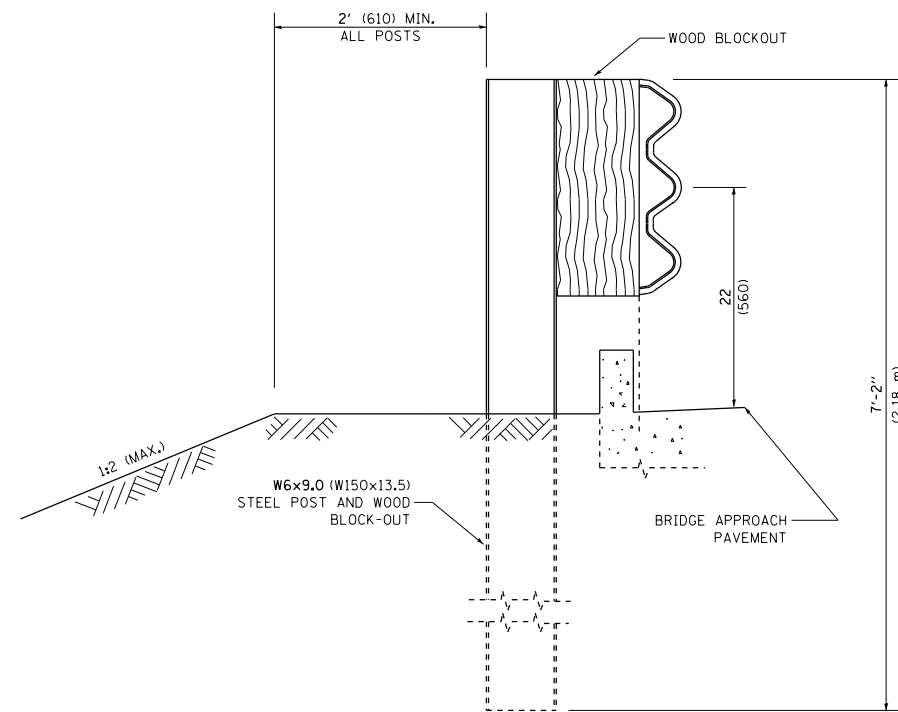
PAY LIMITS OF TRAFFIC BARRIER TERMINAL TYPE 6 (1 EACH)



PLAN



ELEVATION



SECTION A-A

GENERAL NOTES

TO BE USED WHEN CONNECTING TO EXISTING GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.

SEE STANDARD 630001 FOR DETAILS OF GUARDRAIL NOT SHOWN.

THRIE BEAM RAIL SHALL BE BOLTED TO BLOCK-OUT AT ALL POSTS.

SEE STANDARD 420401 FOR DETAILS OF BRIDGE APPROACH PAVEMENT.

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

|  |                           |                        |                           |
|--|---------------------------|------------------------|---------------------------|
| FILE NAME =  | USER NAME = pyrzenowskirb | DESIGNED -             | REVISED - STATE STANDARD: |
| p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\134218\Design\134218-sht-plan.dgn |                           | 631031-05 - 02/19/2008 |                           |
| PLOT SCALE = 100.0000' / 1in.  | CHECKED -                 | REVISED -              |                           |
| PLOT DATE = 6/28/2018  | DATE -                    | REVISED -              |                           |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPE 6 TERMINAL  
FOR USE WITH 21" HIGH SPBGR

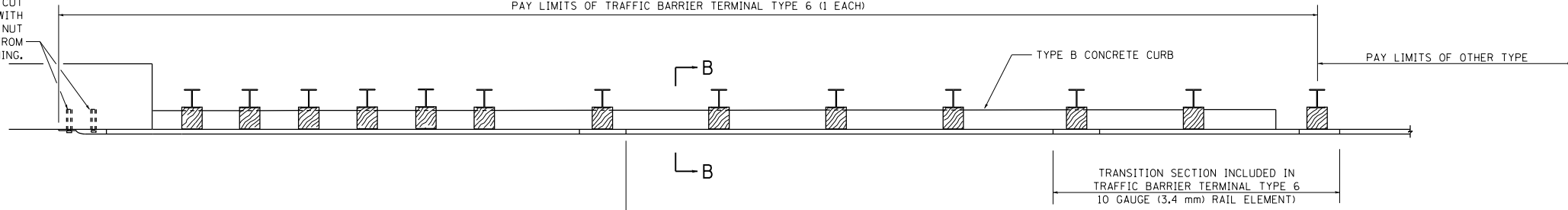
SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

|   |             |                    |              |           |
|---|-------------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS            | 41           | 33        |
| BM 22   |             | CONTRACT NO. 62G81 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |                    |              |           |

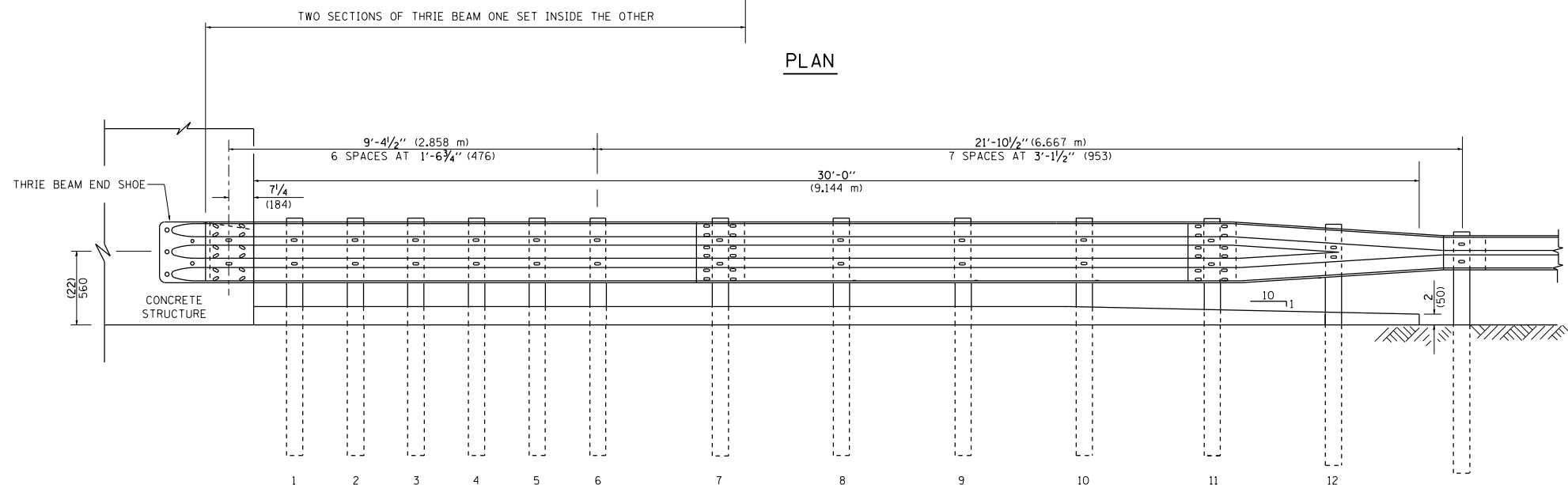
OTHER CONCRETE STRUCTURE

5 EPOXY GROUTED 3/4 (M20) ANCHOR BOLTS WITH STANDARD WASHERS. AFTER TIGHTENING, CUT THE ANCHOR BOLTS FLUSH WITH NUTS, AND DAMAGE THE NUT TO PREVENT IT FROM LOOSENING.

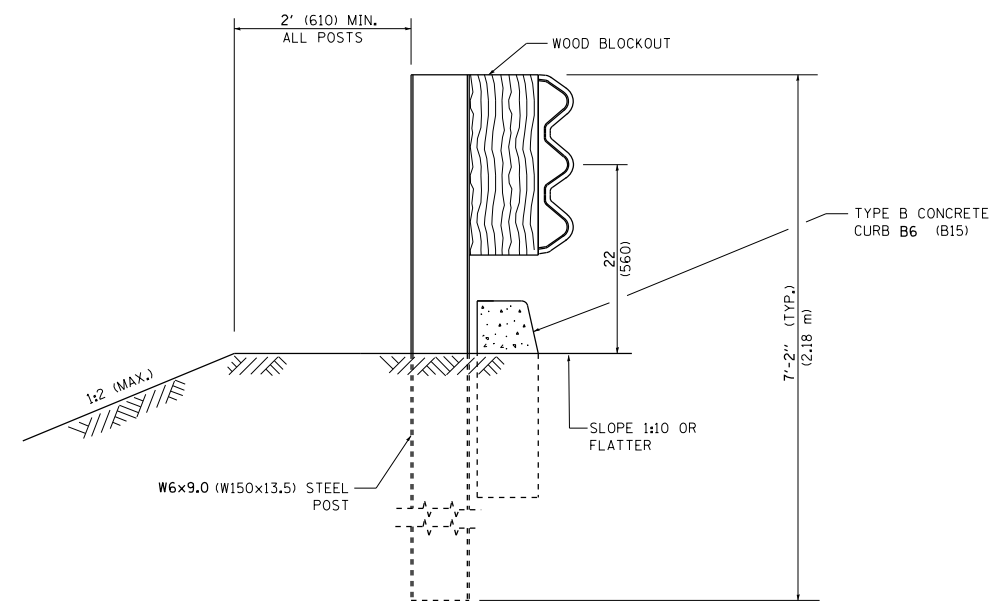
PAY LIMITS OF TRAFFIC BARRIER TERMINAL TYPE 6 (1 EACH)



PLAN



ELEVATION



SECTION B-B

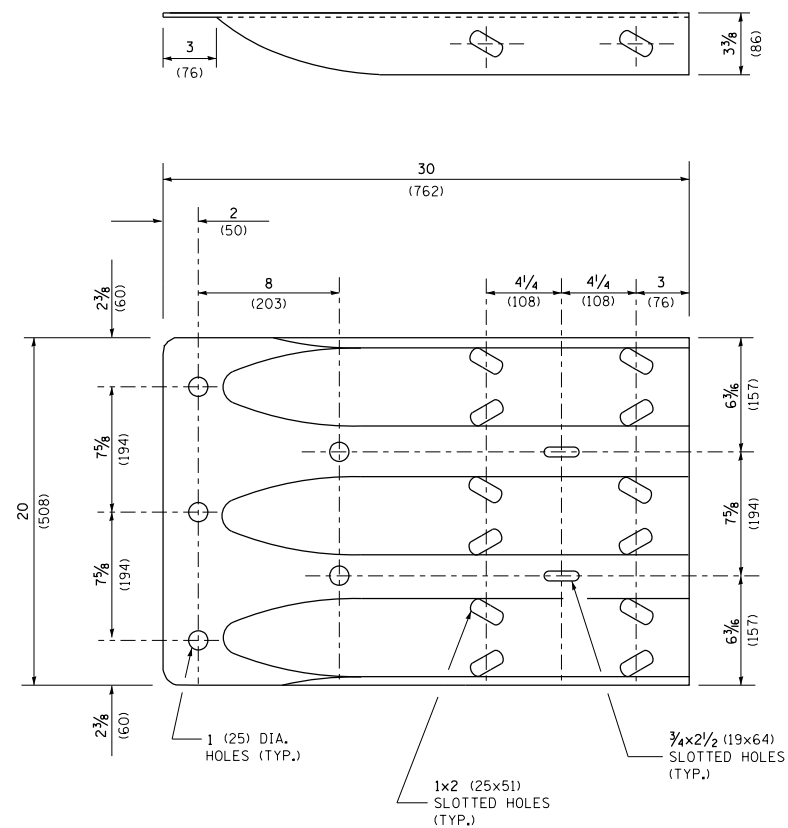
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| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sht-plan.dgn |                         | 631031-05  | 02/19/2008                |
|  |                         | CHECKED -  | REVISED -                 |
|  |                         | DATE -     | REVISED -                 |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

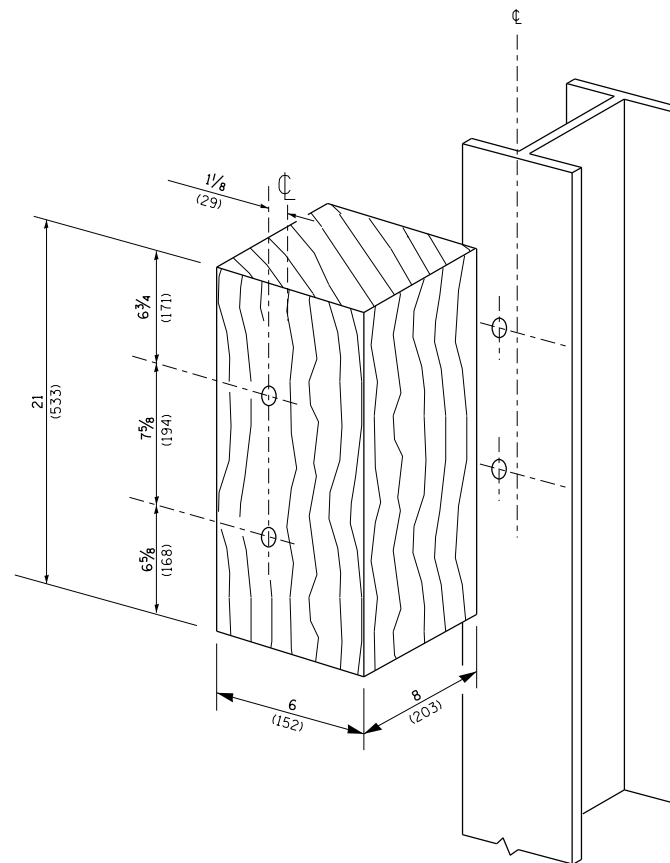
TYPE 6 TERMINAL  
FOR USE WITH 21" HIGH SPBGR

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

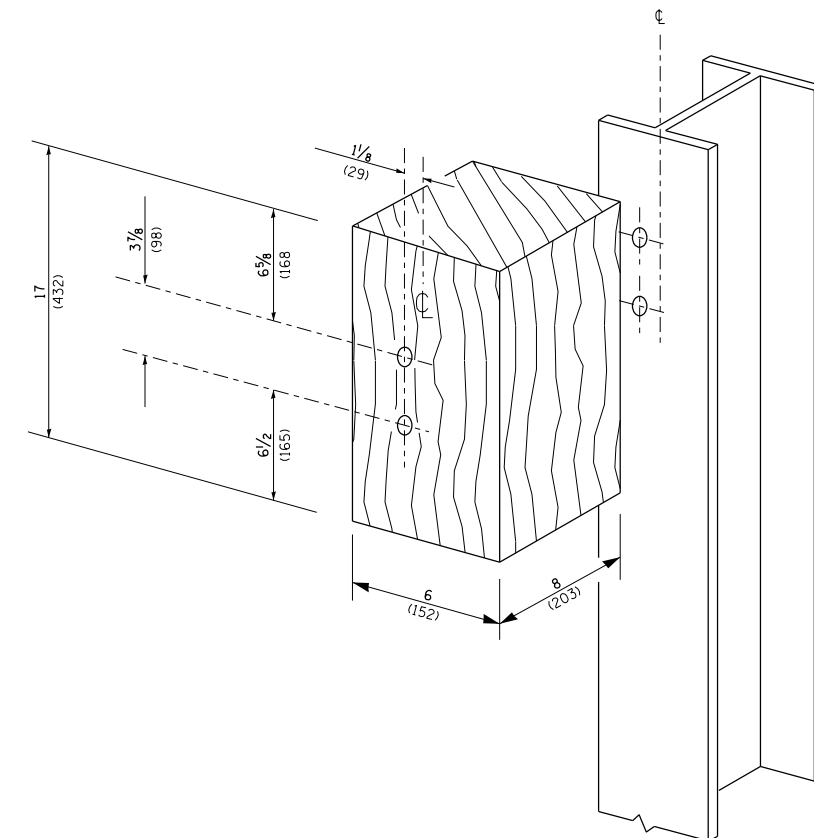
|   |             |                    |              |           |
|---|-------------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS            | 41           | 34        |
| BM 22   |             | CONTRACT NO. 62G81 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |                    |              |           |



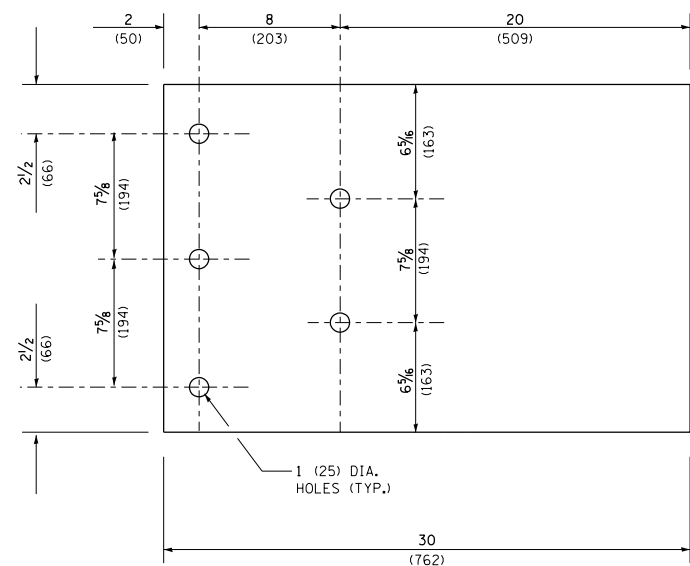
THRIE BEAM END SHOE DETAIL



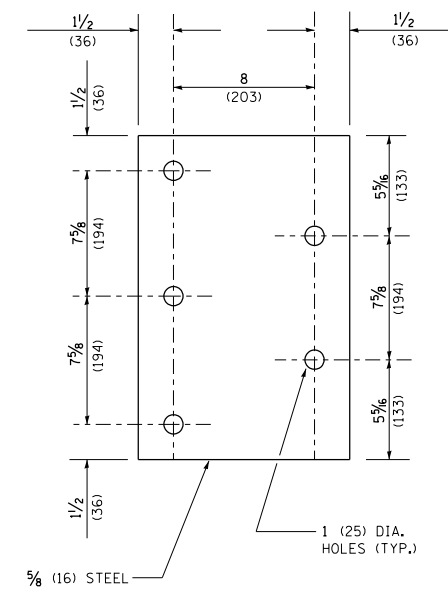
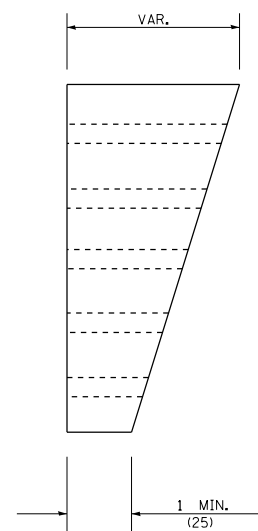
POSTS 1-11 WOOD BLOCKOUT DETAIL



POST 12 WOOD BLOCKOUT DETAIL



PARAPET WOOD BLOCK-OUT DETAIL



PARAPET STEEL BEARING PLATE DETAIL

(5 EACH INDIVIDUAL 5x5x3/8 (125x125x16) STEEL PLATES WITH CENTERED 1 (25) HOLES MAY BE SUBSTITUTED FOR THE PLATE SHOWN.)

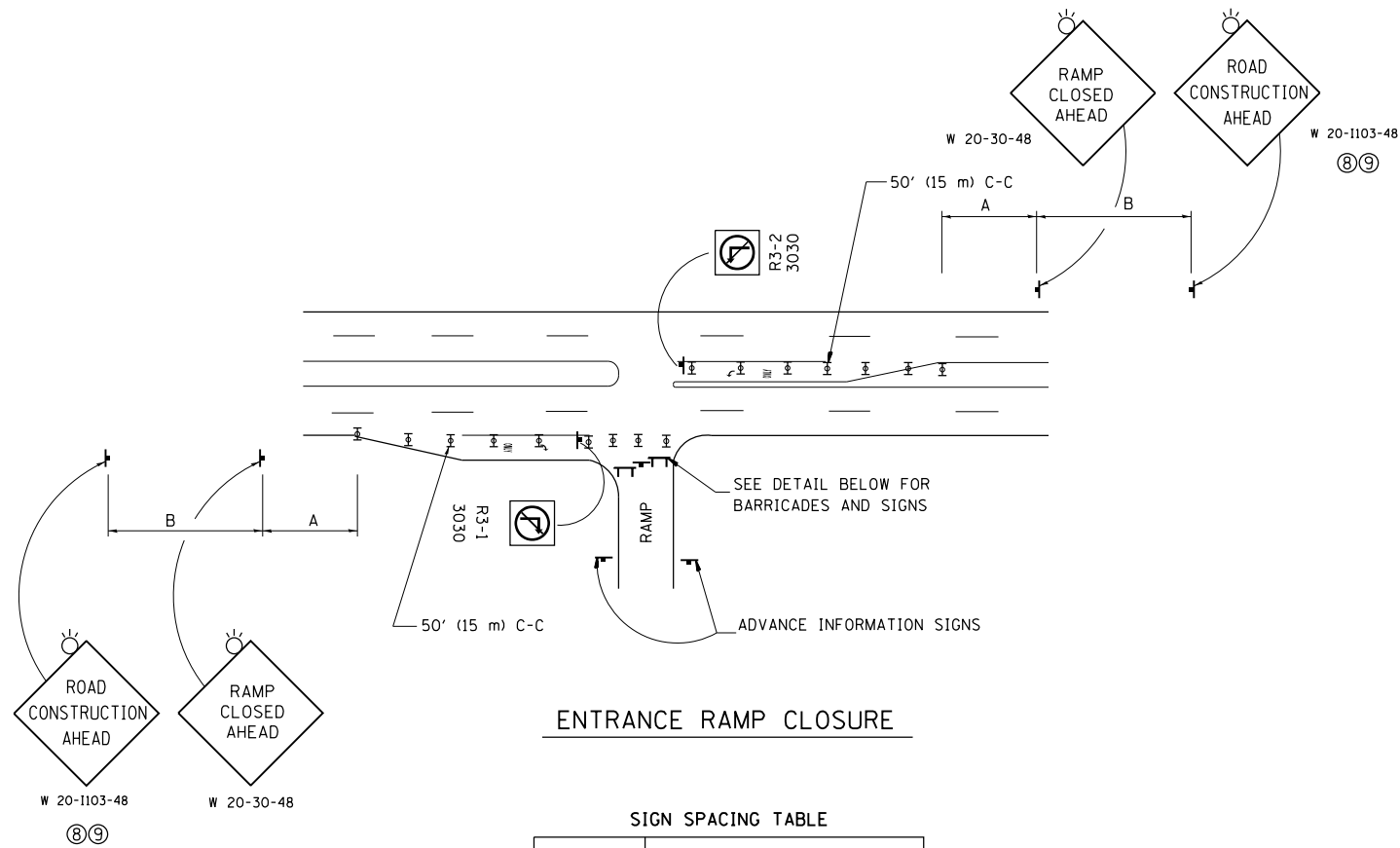
|  |                         |                        |                           |
|--|-------------------------|------------------------|---------------------------|
| FILE NAME =  | USER NAME = pyrzezowski | DESIGNED -             | REVISED - STATE STANDARD: |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sht-plan.dgn |                         | 631031-05 - 02/19/2008 |                           |
| PLOT SCALE = 100.0000' / 1in.  | CHECKED -               | REVISED -              |                           |
| PLOT DATE = 6/28/2018  | DATE -                  | REVISED -              |                           |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPE 6 TERMINAL  
FOR USE WITH 21" HIGH SPBGR

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

|   |             |         |                    |           |
|---|-------------|---------|--------------------|-----------|
| F.A. RTE.                                       | SECTION     | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| VAR.  | 2018-008-GR | VARIOUS | 41                 | 35        |
| BM 22   |             |         | CONTRACT NO. 62G81 |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |         |                    |           |

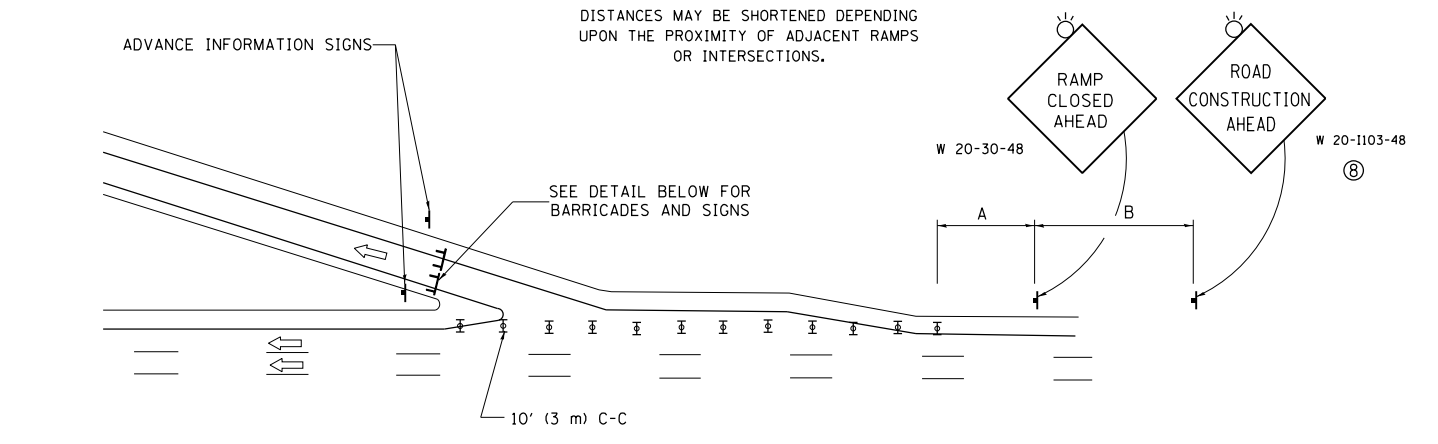


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

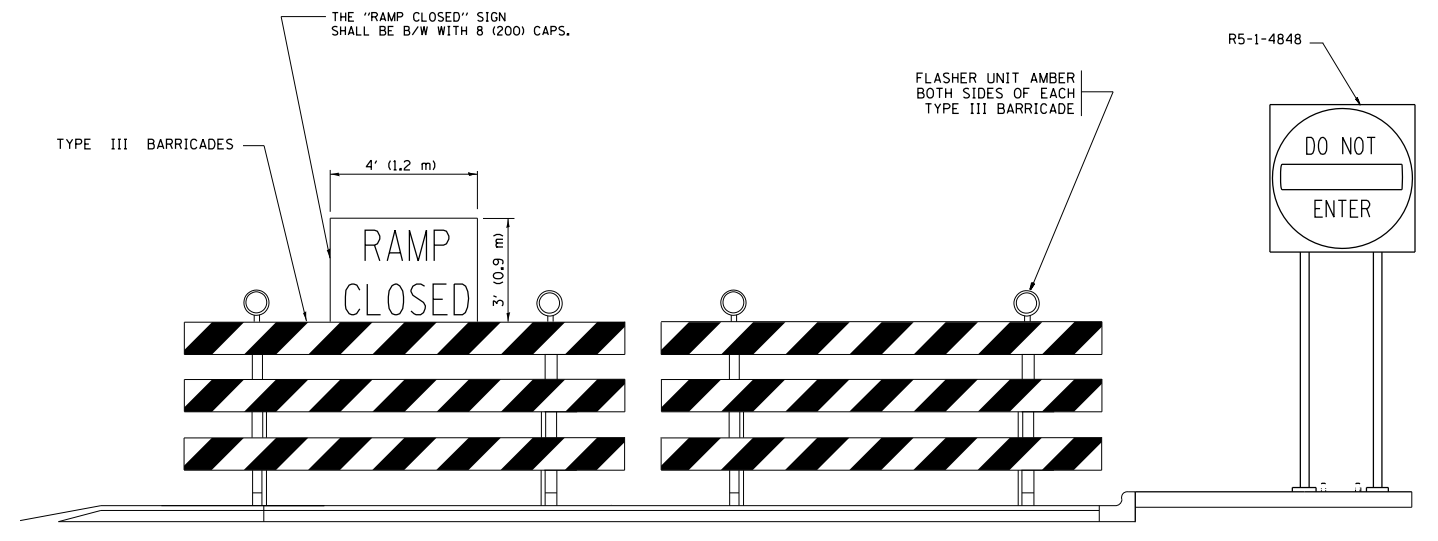
| FACILITY             | DISTANCE BETWEEN SIGNS |               |
|----------------------|------------------------|---------------|
|                      | A                      | B             |
| EXPRESSWAY >24 HOURS | 1000' (300 m)          | 1500' (450 m) |
| EXPRESSWAY <24 HOURS | 500' (150 m)           | 500' (150 m)  |
| ARTERIAL 55 MPH      | 500' (150 m)           | 500' (150 m)  |
| ARTERIAL 50-45 MPH   | 350' (100 m)           | 350' (100 m)  |
| ARTERIAL <45 MPH     | 200' (60 m)            | 200' (60 m)   |

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.

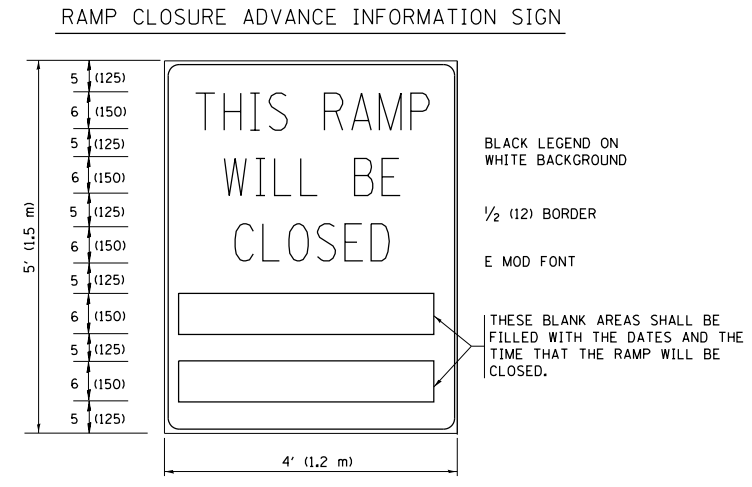
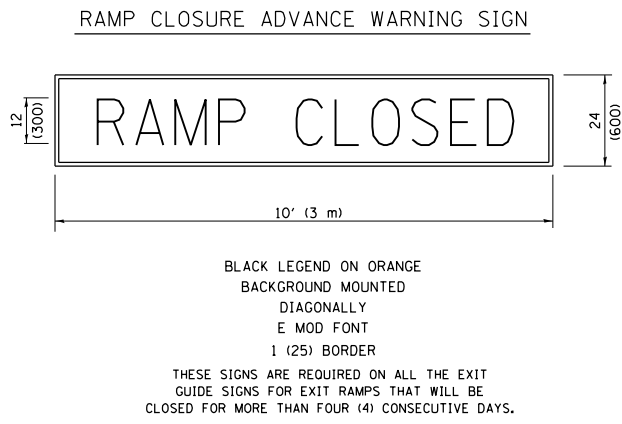


**EXIT RAMP CLOSURE**

- SYMBOLS**
- ⊥ TYPE II BARRICADE OR DRUM
  - ⊓ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

|  |                              |                   |                        |
|--|------------------------------|-------------------|------------------------|
| FILE NAME =  | USER NAME = pyrzenowski      | DESIGNED - D.W.S. | REVISED - S.P.B. 01-07 |
| pw\l\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI3428\Design\DI3428-shr-pln.dgn |                              | CHECKED -         | REVISED - S.P.B. 12-09 |
| Default  | PLOT SCALE = 100.0000' / in. | DATE - 02-83      | REVISED - M.D. 06-13   |
|  | PLOT DATE = 6/28/2018        |                   | REVISED - M.D. 01-18   |

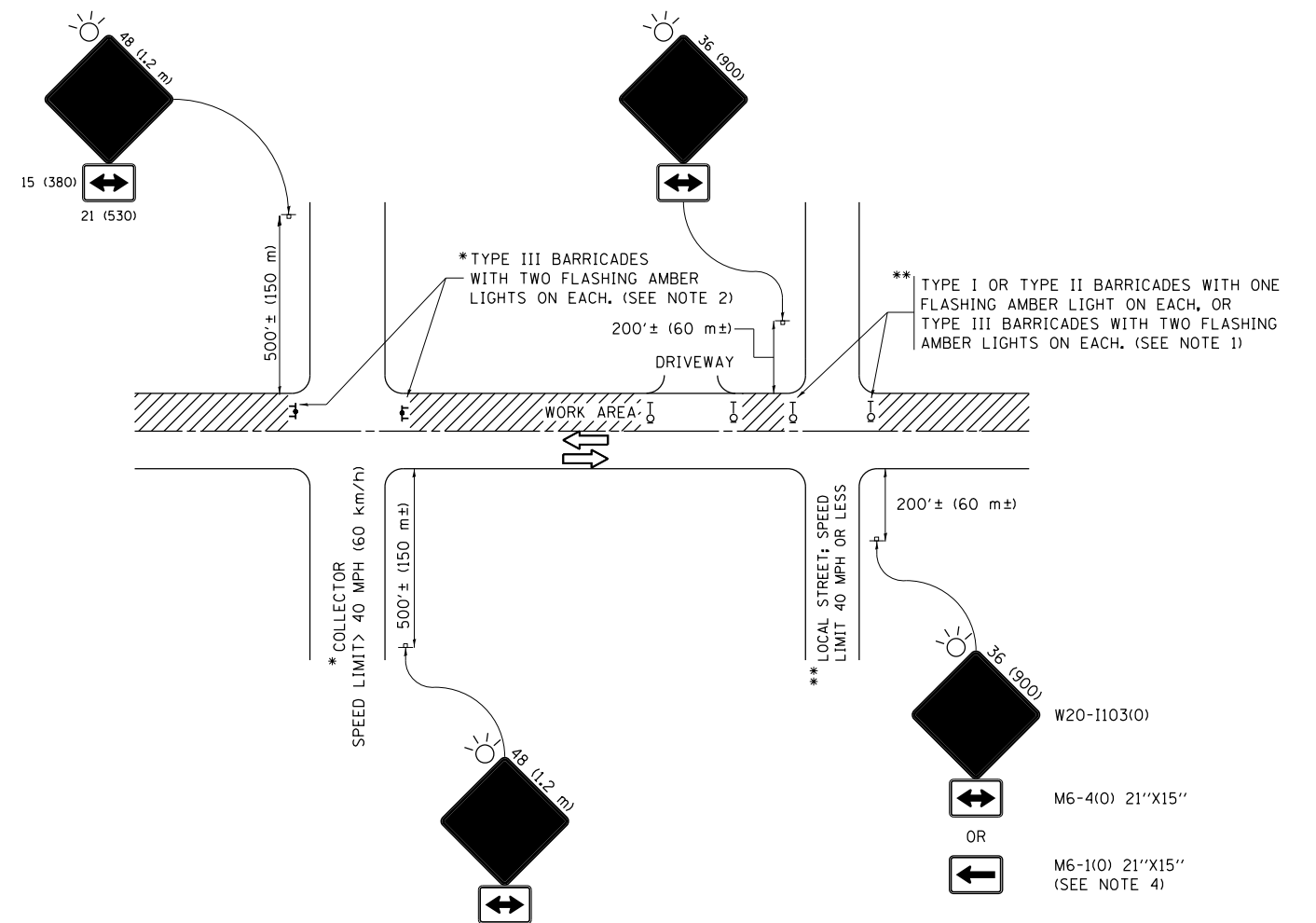
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A. RTÉ.                 | SECTION     | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|---------------------------|--------------|-----------|
| VAR.                      | 2018-008-GR | VARIOUS                   | 41           | 36        |
| <b>TC-08</b>              |             | <b>CONTRACT NO. 62G81</b> |              |           |
| ILLINOIS FED. AID PROJECT |             |                           |              |           |





**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

|  |                              |                   |                                 |
|--|------------------------------|-------------------|---------------------------------|
| FILE NAME =  | USER NAME = pyrzenowski      | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96    |
| p:\11084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sh-t-plan.dgn |                              |                   | REVISED - T. RAMMACHER 01-06-00 |
| Default  | PLOT SCALE = 100.0000' / in. | CHECKED -         | REVISED - A. SCHUETZE 07-01-13  |
|  | PLOT DATE = 6/28/2018        | DATE - 06-89      | REVISED - A. SCHUETZE 09-15-16  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

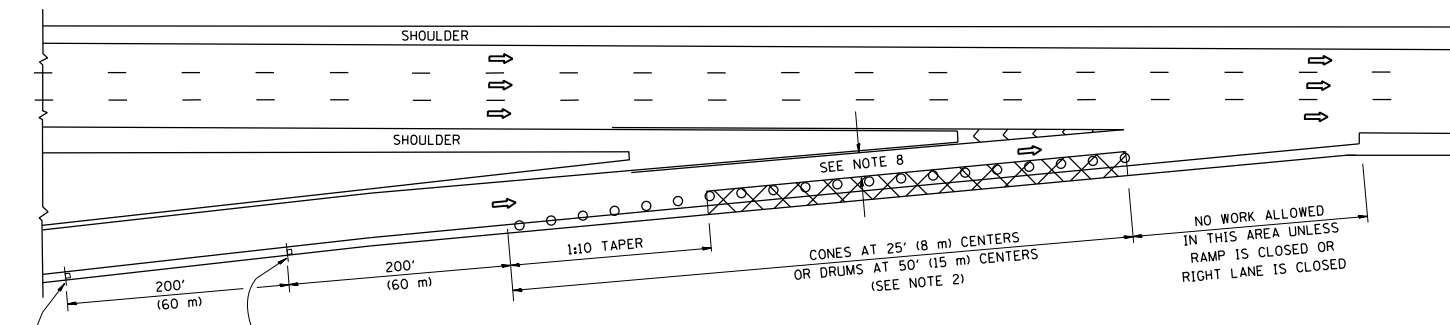
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

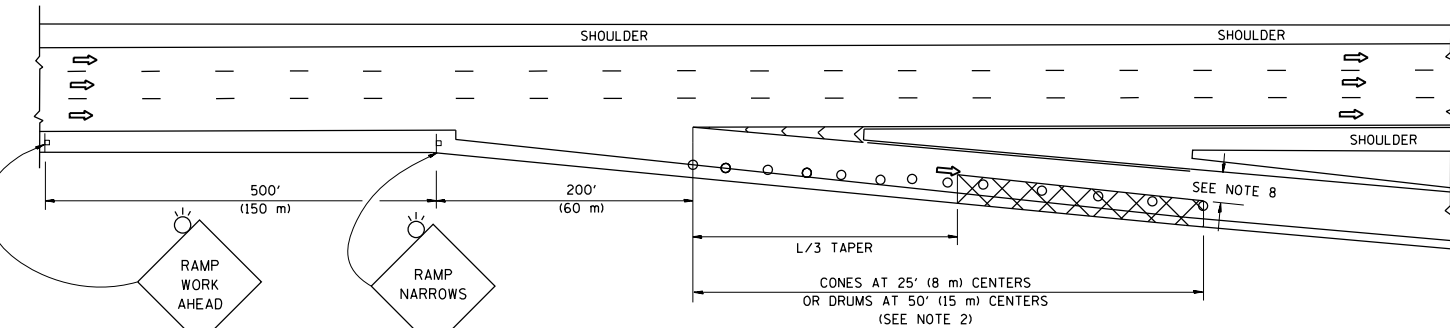
| F.A. RTE.                 | SECTION     | COUNTY  | TOTAL SHEETS              | SHEET NO. |
|---------------------------|-------------|---------|---------------------------|-----------|
| VAR.                      | 2018-008-GR | VARIOUS | 41                        | 38        |
| <b>TC-10</b>              |             |         | <b>CONTRACT NO. 62G81</b> |           |
| ILLINOIS FED. AID PROJECT |             |         |                           |           |



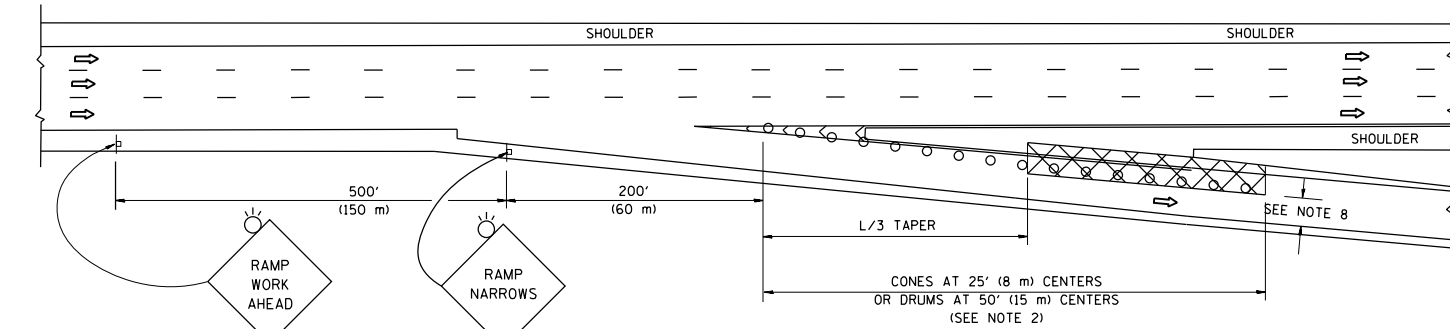
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

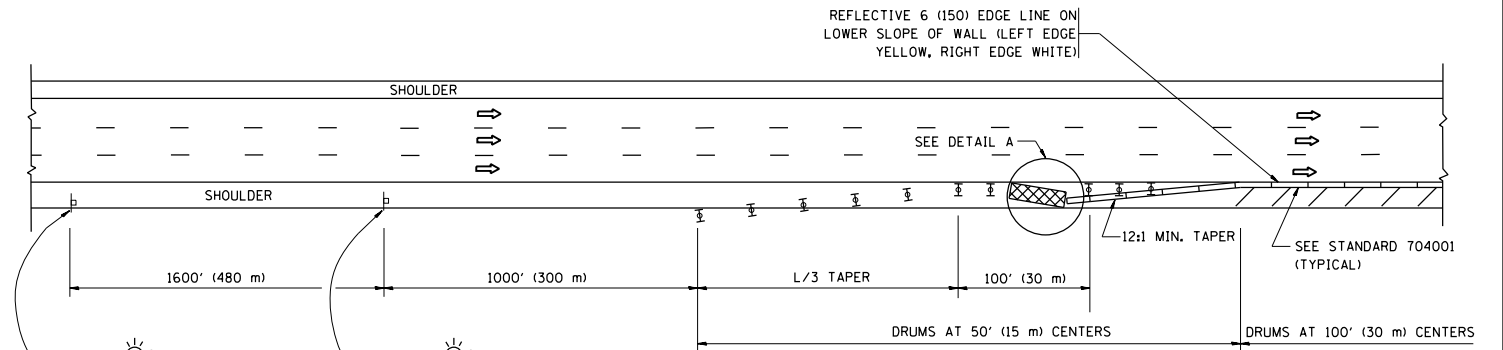
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

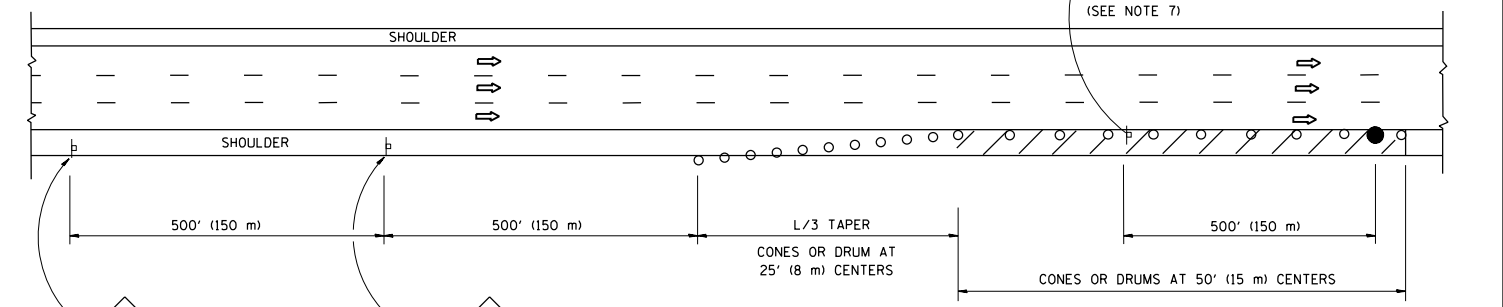
1. THE "L" DISTANCE EQUALS:  

|                                      |   |
|--------------------------------------|---|
| SPEED LIMIT                          | FORMULAS                                |
| 45 mph (80 km/h)<br>OR GREATER:      | METRIC ENGLISH<br>L=0.65(W)(S) L=(W)(S) |
| W = WIDTH OF OFFSET IN FEET (METERS) |   |
| S = NORMAL POSTED SPEED MPH (KM/H)   |   |
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS

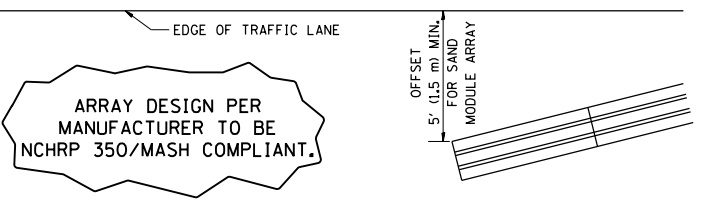


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

|   |                              |              |                        |
|---|------------------------------|--------------|------------------------|
| FILE NAME =   | USER NAME = pyrzenowski      | DESIGNED -   | REVISED - S.P.B. 01-07 |
| pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI342\Drawings\Design\W518-shr-plen.dgn |                              | CHECKED -    | REVISED - S.P.B. 12-09 |
| Default   | PLOT SCALE = 100.0000' / in. | DATE - 11-96 | REVISED - M.D. 06-13   |
|   | PLOT DATE = 6/28/2018        |              | REVISED - M.D. 01-18   |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

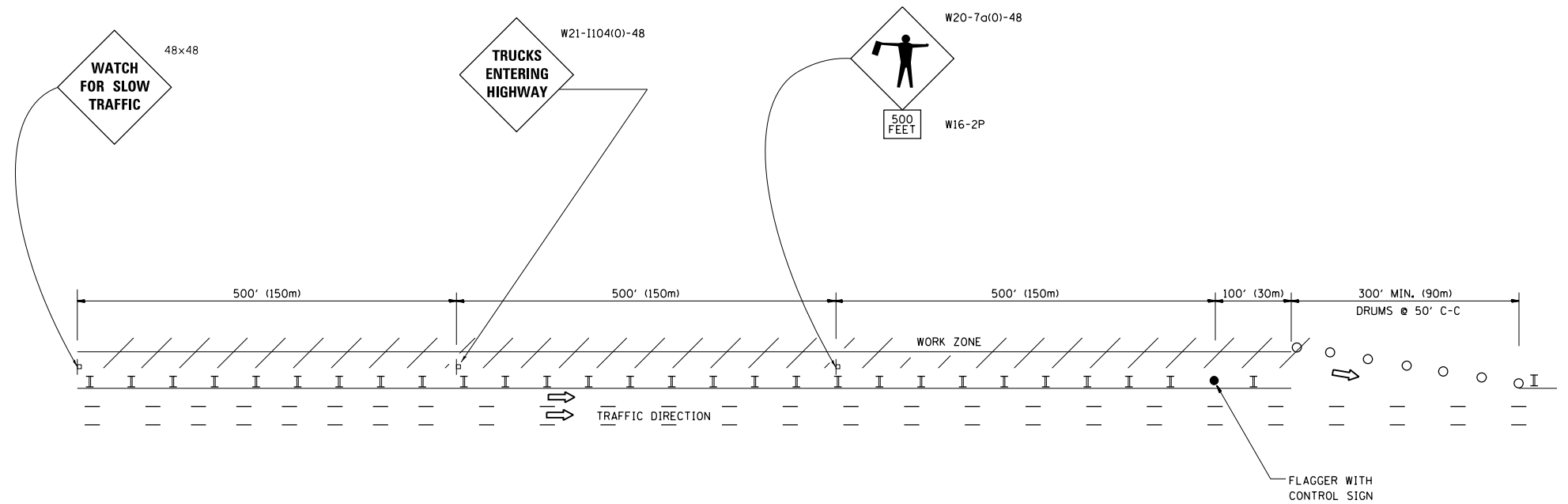
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

|                           |             |                    |              |           |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A. RTE.                 | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |
| VAR.                      | 2018-008-GR | VARIOUS            | 41           | 40        |
| TC-17                     |             | CONTRACT NO. 62G81 |              |           |
| ILLINOIS FED. AID PROJECT |             |                    |              |           |

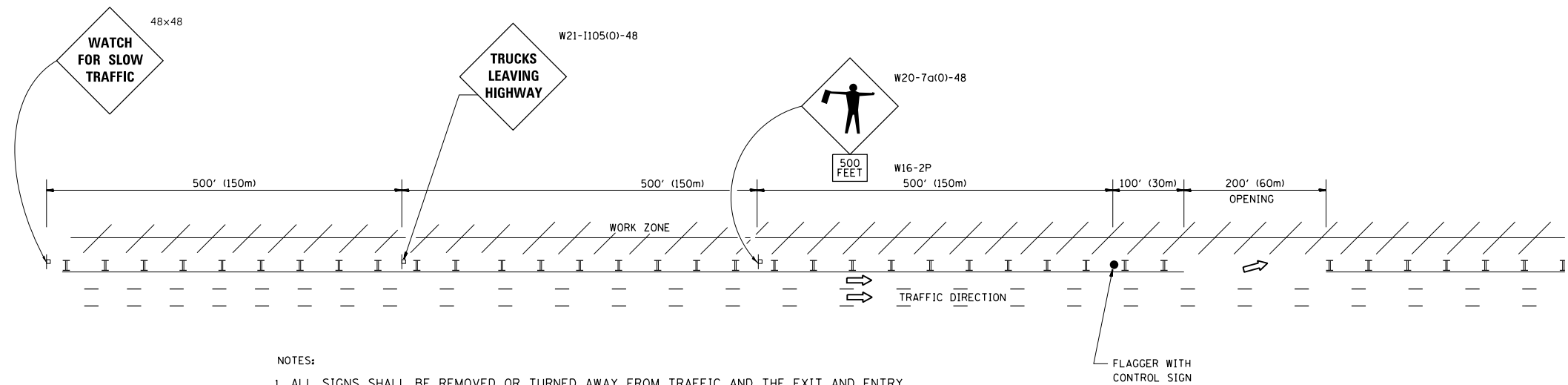


SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

|   |                         |                              |                        |   |   |   |             |                           |              |              |
|---|-------------------------|------------------------------|------------------------|---|---|---|-------------|---------------------------|--------------|--------------|
| FILE NAME =   | USER NAME = pyrzezowski | DESIGNED -                   | REVISED - J.A.F. 02-06 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS<br/>AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS</b> | F.A. RTE.                                       | SECTION     | COUNTY                    | TOTAL SHEETS | SHEET NO.    |
| p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34218\Design\DI34218-sh-t-plan.dgn |                         | CHECKED -                    | REVISED - S.P.B. 01-07 |   |   | VAR.  | 2018-008-GR | VARIOUS                   | 41           | 41           |
|   |                         | PLOT SCALE = 100.0000' / in. | REVISED - S.P.B. 12-09 |   |   | <b>TC-18</b>                                    |             | <b>CONTRACT NO. 62G81</b> |              |              |
|   |                         | PLOT DATE = 6/28/2018        | REVISED - M.D. 06-13   |   |   | SCALE: NONE                                     |             | SHEET NO. 1 OF 1 SHEETS   |              | STA. TO STA. |
|   |                         |                              |                        |   |   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |                           |              |              |